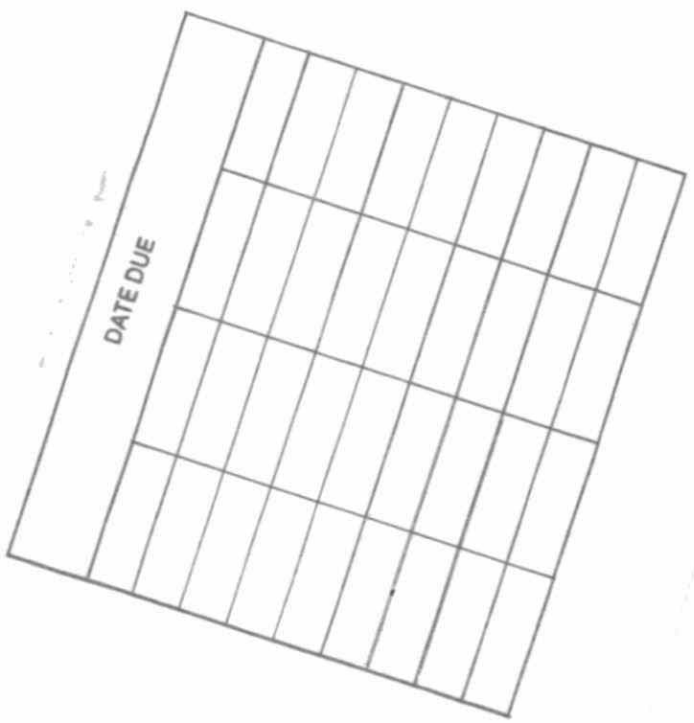
STANDARDS DEVELOPMENT BRANCH OMOE
3 6936 00000 2493

[redacted]

ACRES



TD
196
.A75
B58
1987
vol. 2

Bibliography on polynuclear aromatic hydrocarbons /

147

Copyright Provisions and Restrictions on Copying:

This Ontario Ministry of the Environment work is protected by Crown copyright (unless otherwise indicated), which is held by the Queen's Printer for Ontario. It may be reproduced for non-commercial purposes if credit is given and Crown copyright is acknowledged.

It may not be reproduced, in all or in part, part, for any commercial purpose except under a licence from the Queen's Printer for Ontario.

For information on reproducing Government of Ontario works, please contact Service Ontario Publications at copyright@ontario.ca

.47

TD
196.A75
B58
1987
v.2

ONTARIO MINISTRY OF THE ENVIRONMENT
Toronto, Ontario

BIBLIOGRAPHY ON POLYNUCLEAR AROMATIC HYDROCARBONS VOLUME 2 - KEYWORD INDEX

January, 1987

HAZARDOUS CONTAMINANTS
COORDINATION BRANCH
135 ST. CLAIR AVENUE WEST
TORONTO, ONTARIO M4V 1P5

1987 Her Majesty the Queen
in right of Ontario
as represented by the
Minister of the Environment

ACRES INTERNATIONAL LIMITED
5259 Dorchester Road
Niagara Falls, Ontario
L2E 6W1

TABLE OF CONTENTS

LIST OF TABLES

Page

VOLUME 1

1 - INTRODUCTION ---------- 1- 1

2 - METHODS ---------- 2- 1
2.1 - Search Strategy Development ---------- 2- 1
2.2 - Bibliography Preparation ---------- 2- 10

3 - BIBLIOGRAPHY ---------- 3- 1
3.1 - Chemistry and Analysis ---------- 3- 1
3.2 - Environment ---------- 3- 25
3.3 - Pollution ---------- 3- 57
3.4 - Biology ---------- 3- 84
3.5 - Toxicology ---------- 3-106
3.6 - Health and Safety ---------- 3-203
3.7 - Waste Disposal ---------- 3-217
3.8 - Legislation ---------- 3-221
3.9 - Bibliography ---------- 3-223

4 - AUTHOR INDEX ---------- 4- 1

VOLUME 2

5 - KEYWORD INDEX ---------- 5- 1

5 - KEYWORD INDEX

5 - KEYWORD INDEX

1-aminopyrene
"1-Nitropyrene: a mutagenic product induced by the action of near ultraviolet light on 1-aminopyrene" 438

1-nitropyrene
"1-Nitropyrene: a mutagenic product induced by the action of near ultraviolet light on 1-aminopyrene" 438
"1-Nitrosopyrene: an intermediate in the metabolic activation of 1-nitropyrene to a mutagen in Salmonella typhimurium TA1538" 1362
"Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6- dinitropyrene in rats" 1692
"Analysis of the metabolites, DNA adducts and mutations produced by 1-nitropyrene in Chinese hamster ovary cells" 1360
"Biliary excretion and enterohepatic circulation of 1-nitropyrene metabolites in Fischer-344 rats" 973
"Comparative carcinogenicities of 1-, 2-, and 4-nitropyrenes (NP) and structurally related compounds for female CD rats following intraperitoneally injection" 1406
"Comparison of the in vitro and in vivo hepatic metabolism of the carcinogen 1-nitropyrene" 919
"Contribution of 1-nitropyrene metabolites to mutagenic activity of diesel particulate" 1100
"Cytotoxic and mutagenic effects of 1-nitropyrene and 1-nitrosopyrene in diploid human fibroblasts" 1718
"Detection of 1-nitropyrene in Yakitori grilled chicken" 1459
"Determination of 1-nitropyrene by thin-layer chromatography in a diesel exhaust particulate extract" . 593
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo[a]pyrene, 2-aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Enhancement of DNA binding and mutagenicity of 1-nitropyrene by zinc acetate in Salmonella typhimurium TA100" 1810
"Environmental transformation of 1-nitropyrene on glass surfaces" 247
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
"Evidence that 1 nitropyrene is mutagenic in diploid human skin fibroblasts" 1717
"Evidence for N-(deoxyguanosin-8-yl)-1-aminopyrene as a major DNA adduct in female rats treated with 1-nitropyrene" 1887
"Excretion and metabolism of 1-nitropyrene in rats after oral or intraperitoneal administration." 1247

1-nitropyrene (cont)
"Fungal metabolism and detoxification of 1 nitropyrene" . 867
"Fungal metabolism and detoxification of the nitropolycyclic aromatic hydrocarbon 1-nitropyrene" 868
"Genotoxicity of 1-nitropyrene in mouse lung after intratracheal instillation" 1613
"Identification of ring oxidized metabolites of 1-nitropyrene in the feces and urine of germfree F-344 rats" 1259
"Metabolic activation of 1-nitropyrene by rat mammary cytosol and rat mammary epithelial cells in culture" 1920
"Metabolism and genotoxicity of 1-nitropyrene" 1085
"Metabolism of 1-nitropyrene and 6-nitrobenzo(a)pyrene by intestinal microflora" 866
"Metabolism, DNA repair and mutagenicity of 1-nitropyrene in the human hepatoma cell line HepG2" 1250
"Metabolism of 1-nitropyrene in germ-free and conventional rats" 1458
"Metabolism of 1-nitro[14C]pyrene in vivo in the rat and mutagenicity of urinary metabolites" 1084
"Metabolism of uniformly carbon-14-labeled 1 nitropyrene in the F-344 rat" 895
"Metabolism of 1-(14C)nitropyrene in respiratory tract tissue of rats exposed to diesel exhaust" 1119
"Metabolism of 1-nitropyrene by cultured rabbit alveolar macrophages and respiratory tract tissues" 1456
"Metabolism of 1-[14C]nitropyrene in isolated perfused rat livers" 1120
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Metabolism and macromolecular covalent binding of [14C]-1-nitropyrene in isolated perfused and ventilated rat lungs" 1118
"Modification of nucleic acids with 1-nitropyrene in the rat: identification of the modified nucleic acid base" .. 1349
"Mutagen formation by the photochemical reaction of pyrene with nitrogen dioxide" 336
"Mutagenic activation of biliary metabolites of 1-nitropyrene by intestinal microflora" 1630
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
"Mutagenicity of nitrofluoranthenes, 3-aminofluoranthene and 1-nitropyrene in Chinese hamster V79 cells" 1104
"Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes" 1083
"Mutagenicity of 1-nitropyrene metabolites from lung S9" 1457
"Oxidative microsomal metabolism of 1-nitropyrene to DNA-binding derivatives" 1233
"Participation of cytochrome P-450 in reductive metabolism of 1-nitropyrene by rat liver microsomes" 1808

1-nitropyrene (cont)
"Photodecomposition of 1-nitropyrene and other direct-acting mutagens extracted from diesel-exhaust particulates" 788
"Rat liver subcellular fractions catalyze aerobic binding of 1-nitro[14C]pyrene to DNA" 1086
"Salmonella/microsome mutagenicity of 1-nitropyrene-2-ol, a nitropyrene phenol formed in the photolysis of 1-nitropyrene" 1540
"Transplacental and transmammary delivery of 1-nitropyrene in mice" 1391
"Tumor initiating activities of 1-nitropyrene and its nitrated products in SENCAR mice" 1664
"Tumorigenicity and metabolism of 1-nitropyrene in A/J mice" 1258
1-nitrosopyrene
"Cytotoxic and mutagenic effects of 1-nitropyrene and 1-nitrosopyrene in diploid human fibroblasts" 1718
1,6-dinitropyrene
"1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice" 1932
"Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6- dinitropyrene in rats" 1692
"Lung carcinoma induction in Syrian golden hamsters by intratracheal instillation of 1,6-dinitropyrene" 1912
1,8-dinitropyrene
"Activation of K-ras and oncogenes other than ras family in rat fibrosarcomas induced by 1,8-dinitropyrene" 1687
"Dinitropyrene-resistant Salmonella-typhimurium and escherichia-coli are deficient in an acetylcoenzyme a acetyltransferase" 1701
"Identification of the DNA adduct formed by metabolism of 1,8-dinitropyrene in Salmonella typhimurium" 1067
"Metabolism of 1,8-dinitropyrene by Salmonella typhimurium" 1140
"Metabolism of 1,8-dinitropyrene in Salmonella Typhimurium" 1141
"Oncogene of sarcomas induced by 1-8-dinitropyrene in rats" 1686
2-acetylaminofluorene
"The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains" 1690
2-nitropyrene
"Determination of 2-nitrofluoranthene and 2-nitropyrene in ambient particulate organic matter: evidence for atmospheric reactions" 451
3-methylcholanthrene
"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417

3-methylcholanthrene (cont)
"Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3-methylcholanthrene" 1766
"Metabolism of triphenylene by liver microsomes from control, phenobarbital(PB)-treated and 3-methylcholanthrene(MC)-treated rats" 1928
"Position-specific induction of benzo(a)pyrene metabolism by 3-methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish" 1837
32P-postlabeling Test
"32P-postlabeling test for covalent DNA binding of chemicals in vivo: application to a variety of aromatic carcinogens and methylating agents" 1775
3,4-benz(a)pyrene
"Effect of 3,4-benz(a)pyrene on the microscopic anatomy of regional lymphatic nodes of the female rat in pregnancy" 1006
3,4-benzpyrene
"Analysis of foods (additives). Determination of 3,4-benzpyrene in liquid paraffin and paraffin wax" 569
"Assessment of the direct effect of 3,4-benzpyrene on organ cultures from the bronchi of patients presenting chronic bronchitis and pulmonary carcinoma" 1951
"Chromosomal changes in cultured rat mesothelial cells treated with 3,4-benzpyrene and/or chrysotile asbestos" . 1592
"Effect of 3,4-benzpyrene on the content of carbohydrate-protein biopolymers in the blood and gastric wall of rats" 930
"Possibility of a decrease in the 3,4-benzpyrene content in coal tar pitches" 793
"The 3,4-benzpyrene content of atmospheric air in a city without specific industrial emissions" 761
"Trapping of 3,4-benzpyrene in off-gas from oxidized asphalt production by means of water scrubbers" 2198
3,4-benzo(a)pyrene
"Microsomal metabolism of 3,4-benzo(a)pyrene. II. Quantitative determination of 7,8-dihydroxy-7,8-dihydrobenzo(a)pyrene" 1883
3,4-benzopyrene
"Content of 3,4-benzopyrene in the atmospheric air of a town without specific industrial emissions" 462
"Determination of 3,4-benzopyrene in edible oil by a TLC scanner" 784
"Influence of 3 4 benzopyrene on the ultrastructure of the green alga Scenedesmus-Quadricauda in synchronous culture" 837

3,4-benzopyrene (cont)
"Microsomal metabolism of 3,4-benzopyrene. I. Accelerated chromatographic separation and inline identification of the metabolites" 1882
"Removal of 3,4-benzopyrene from bitumen production gases by water scrubbers" 2197
"The leachability of carbon-14-labelled 3-4-benzopyrene from coal ash into aqueous systems" 583
3H-benzo(a)pyrene
"Interactions of heavy metals with the pulmonary metabolism of (3H)benzo(a)pyrene" 1989
5-azacytidine
"Effects of 5-azacytidine on the progressive nature of cell transformation" 920
5-methylresorcinol
"Experimental study of antimutagenic activity of 5-methylresorcinol" 1712
5,9-dimethyldibenzo-C
"Sexual differences in the expression of gamma glutamyl transpeptidase during 5 9 dimethyldibenzo-C G-carbazole-induced hepatocarcinogenesis in mice" 1952
6-aminochrysene
"Quantitative microspectrofluorimetry study of the "blocking effect" of 6-aminochrysene on benzo[a]pyrene metabolism using single living cells" 951
7,8-benzoflavone
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Inhibition of binding of benzo(a)pyrene to DNA by 7,8-benzoflavone in organ cultures of human bronchus" ... 1569
"Variations among untreated rabbits in benzo(a)pyrene metabolism and its modulation by 7,8-benzoflavone" 1768
9,10-dihydroanthracene
"Biooxidation of 9,10-dihydroanthracene by a mixed bacterial population" 468
9,10-dimethylanthracene
"The metabolism of 9,10-dimethylanthracene by rat liver microsomal preparations" 1499
A/J Mice
"Tumorigenicity and metabolism of 1-nitropyrene in A/J mice" 1258
Absorption Spectra
"Resonance raman and absorption spectra of isomeric retinals in their lowest excited triplet states" 214
Absorption Spectrometry
"Quantitation and identification of polynuclear aromatic hydrocarbons by liquid chromatography and multiwavelength absorption spectrometry" 164

Absorption Spectroscopy
"Interactions of several polycyclic aromatic hydrocarbons with DNA base molecules studied by absorption spectroscopy and fluorescence quenching" 173
Accumulation
"A major wintertime (1983) pollution episode: analysis of the accumulation and partial distribution of the organic fraction" 389
"A major wintertime (1983) pollution episode in northern New Jersey: Analyses of the accumulation and spatial distribution of inhalable particulate matter, extractable organic matter and other species" 390
"Absorption of benzo(a)pyrene by corn roots and its accumulation in the plants" 534
"Accumulation of airborne pollutants (PAH, chlorinated hydrocarbons, heavy metals) in various plant species and humus" 510
"Accumulation of benzo(a)pyrene in fish" 1032
"Accumulation of polycyclic aromatic hydrocarbons by lobsters (Homarus americanus) held in a tidal pond (microform)" 1026
"Effect of dissolved humic material on accumulation of polycyclic aromatic hydrocarbons structure-activity relationships" 408
"Effect of dissolved humic material on accumulation of polycyclic aromatic hydrocarbons: structure-activity relationships" 409
"Effect of bile salts on rates of formation, accumulation, and export of mutagenic metabolites from benzo(a)pyrene produced by the perfused rat liver." 1442
"Polycyclic aromatic hydrocarbon accumulation and sensory evaluation of lobsters (Homarus americanus) exposed to diesel oil, Arnold's Cove, Newfoundland" 541
"Simultaneous accumulations of naphthalene, a PCB mixture, and benzo(a)pyrene, by the oyster, Crassostrea virginica" 897
"Statistical models for the accumulation of PAH, chlorinated hydrocarbons and trace metals in epiphytic Hypnum cupressiforme" 509
"The accumulation of mutagenic polycyclic aromatic hydrocarbons in biological sludge" 740
"Toxicokinetics and metabolism of benz(a)pyrene in Black Sea mussels accumulation of matter in the body of the mollusk" 2025
Aceanthrylene
"Bacterial mutagenicity of aceanthrylene: a novel cyclopenta-fused polycyclic aromatic hydrocarbon of low molecular weight" 1476

Acenaphthene
"A survey analysis of resistant organic chemicals in water by high resolution gas chromatography/mass spectrometry" 777
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. II: Equilibrium in partition coefficient measurements," 308
"Bacterial oxidation of the polycyclic aromatic hydrocarbons acenaphthene and acenaphthylene" 480
"Bacterial oxidation of acenaphthylene and acenaphthene" 479
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
"Effects of suspended solids on the biotransformation of acenaphthene" 325
"GC-MS identification of odorous volatiles in wastewater" 812
"Influence of microbial adaptation on the fate of organic pollutants in groundwater" 542
"Insect interlaboratory toxicity test comparison study for the chironomid (Paratanytarsus) procedure" 1513
"Leaching of PAH from industrial wastes with municipal waste leachate" 729
"Mobility of organic and inorganic constituents from energy and combustion-related wastes under codisposal conditions" 2192
"Monitoring polycyclic aromatic hydrocarbons at a coal gasification facility: Preliminary results" 692
"Occurrence and distribution of organic chemicals in two landfill leachate plumes" 766
"Round robin investigation of organic compounds in aqueous leachates of solid wastes: Application to H-coal filter cake leachates" 571
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
Acenaphthylene
"1981 Buffalo, New York area sediment survey (BASS) EPA-905/3-84-001" 467
"Absolute stereochemistry of (+)-trans-1,2-dihydroxyacenaphthene, a mammalian metabolite of acenaphthylene" 82
"Bacterial oxidation of the polycyclic aromatic hydrocarbons acenaphthene and acenaphthylene" 480
"Bacterial oxidation of acenaphthylene and acenaphthene" 479
"Oxidative losses of anthracene acenaphthylene and benzo(a)pyrene during florisil and silica gel cleanup using diethyl ether containing peroxides" 124

Acenaphthylene (cont)
"Products obtained during combustion of polymers under simulated incinerator conditions. I. Polyethylene" 669
"Relative rates and partial combustion products from the burning of chlorobenzenes and chlorobenzene mixtures" ... 811
"Removal of toxic organics by overland flow" 2210
Acetylene Reduction
"Effect of polynuclear hydrocarbons on algal nitrogen fixation (acetylene reduction)" 851
Acid Phosphatase Activity
"Factors affecting the acid phosphatase activity of lysosomal membranes" 1940
Acinetobacter Calcoaceticus
"Aryl hydrocarbons as inducers of cytochrome P-450 in Acinetobacter calcoaceticus" 845
Acridine Orange
"Denaturation of nucleic-acids induced by intercalating agents biochemical and biophysical properties of acridine orange-DNA complexes" 932
"Mutagenic and plasmid-eliminating action of acridine orange in the cyanobacterium Nostoc" 1485
"The effect of acridine orange on actinomycete strains" . 1650
"Biological effects of dyes on bacteria 6. Mutation induction by acridine orange and methylene blue in the dark with special reference to Eschericia-coli WP-6-POLA-1" 1972
"Mutagenic activity of some intercalating compounds in the drosophila zeste somatic eye mutation test" 2007
"Flow cytometry of acridine orange stained sperm is a rapid and practical method for monitoring occupational exposure to genotoxicants" 2070
Acridine(s)
"Acridine a base for constructing drug supplies" 1898
"Biological effects summary report: Acridine" 1447
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
"Condensation of nucleic-acids by intercalating aromatic cations" 933
"Differentiated genotoxic response of carcinogenic and noncarcinogenic benzacridines and metabolites in rat hepatoma cells" 1543
"DNA damage in Hela S-3 cells by an anti tumor drug ledakrin and other anti tumor 1 nitro-9-amino acridines" 1999
"Effect of intercalating mutagens on crossing-over in Drosophila- melanogaster females" 1041
"Effects of temperature, feeding and acridine on reproduction of the calanoid copepod, Diaptomus clavipes Schacht" 1184
"Effects of acridine and temperature on the survival, development growth and reproduction of Diaptomus Clavipes Schacht" 1185

Acridine(s) (cont)
"Effects of temperature, feeding and acridine on development and mortality of eggs and nauplii of Diaptomus clavipes Schacht" 1183
"Frameshift mutagenesis by acridines in wild-type, uvrB and polA strains of Salmonella typhimurium with and without plasmid pKM101" 1273
"In-vitro evaluation of some acridine compounds for their fungitoxicity" 1168
"Induction of SOS functions is not required for rec-a-positive dependent mutagenicity of 9 amino acridine in Salmonella-typhimurium strain TRPE-8" 1744
"Metabolism of acridine by rat-liver enzymes" 1646
"Metabolism of the carcinogen 7-methylbenz(c)acridine in the rat" 2003
"Mutagenesis of amino and/or methyl analogs of acridine in Salmonella and yeast: a comparison between the spot-test and the pre- incubation methods" 1314
"Mutagenicity of selected functionalized benz(c)acridines and a benz(a)phenazine in the salmonella-typhimurium microsome assay" 1961
"Potential anti tumor agents 42. Structure activity relationships for acridine substituted di methyl phosphoramidate derivatives of 9 anilino acridine" 1782
"Proton NMR of intercalators and guanylyl-3' 5'-cytidylyl-3' 5' adenosine a potential mutagenicity probe" 41
"Separation of methyl-substituted benz(c)acridines by gas-liquid chromatography and high-performance liquid chromatography" 100
"The intercalative binding and antitumor activity of some bis-acridines related to nitracrine" 1048
"The metabolism of the carcinogen 7 methylbenz(c)acridine by hepatocytes isolated from untreated and induced rats" 1128
"Three consistent patterns of response to substituted acridines in a variety of bacterial tester strains used for mutagenicity testing" 1272
"Tumorigenicity of dihyddrodiols and diol-epoxides of benz(c)acridine in newborn mice" 1167
Actinomycete
"The effect of acridine orange on actinomycete strains" . 1650
Activated Carbon
"Comment on: "Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon"" 453
"Use of powdered activated carbon to reduce organic contaminant levels" 2199
"Rebuttal to: "Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon"" 2206

Activated Carbon (cont)
"Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon" 2205
"Decreasing polycyclic hydrocarbon content in petrochemical wastewater by using activated carbon" 2191
Activated Silica
"Selective determination of substituted PAH in aerosols using liquid carbon dioxide-extraction, HPLC prefractionation on chemically activated silica, and HRGC combined with negative ion mass spectrometry" 185
Activated Sludge
"Transport of benzo(a)pyrene into animal organs following the feeding of activated sludge from swine manure" 896
Activation
"A new mechanism of benzo(a)pyrene activation for binding to DNA in Wistar rat embryo cells" 1749
"Aberrant activation of benzo(a)pyrene in cultured rat mammary cells in vitro and following direct application to rat mammary glands in vivo" 1737
"Activating and detoxifying metabolism of benzo(a)pyrene in the isolated perfused rat lung" 1433
"Activation of benzo(a)pyrene by mitochondria in the mouse liver" 1751
"Activation of cigarette smoke components to mutagens in V79 cells by pulmonary aveolar macrophages (PAMS) lavaged from sham- puffing and cigarette-smoking baboons" 1567
"Activation of different transforming genes in Balb-3T3 cell lines transformed by the same chemical carcinogen benzo(a)pyrene" 857
"Activation of polycyclic aromatic hydrocarbons by hepatic S-9 from a marine fish" 1609
"Activation of K-ras and oncogenes other than ras family in rat fibrosarcomas induced by 1,8-dinitropyrene" 1687
"Arachidonic acid-dependent cooxidation. A potential pathway for the activation of chemical carcinogens in vivo" 945
"Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung" 983
"Benzo(a)pyrene:DNA adduct formation in early-passage Wistar rat embryo cell cultures: evidence for multiple pathways of activation of benzo(a)pyrene" 1750
"Benzo(a)pyrene activation to 7,8-dihydrodiol 9,10-oxide by rat liver microsomes. Control by selective product inhibition" 938
"Benzo(e)pyrene induced alterations in the stereoselectivity of activation of 7-12-dimethylbenz(a)anthracene to DNA-binding metabolites in hamster embryo cell cultures" 1879

Activation (cont)
"Binding of benzo[a]pyrene to different chromatin domains following activation at the nuclear membrane" ... 1682
"Cytochrome P-448 and the activation of toxic chemicals and carcinogens" 1409
"Differential effect of beta-naphthoflavone on promutagen activation capabilities of S9 from rat and mouse livers" 1764
"Effects of dietary fats and butylated hydroxytoluene (BHT) on hepatic activation of benzo(a)pyrene, 2-acetylaminofluorene and 2- aminofluorene" 1746
"Effects of dietary fats and butylated hydroxytoluene on mutagen activation in rats" 1747
"Effects of methyl and fluorine substitution on the metabolic activation and tumorigenicity of polycyclic aromatic hydrocarbons" 1357
"Effects of methyl and fluoro substitution on the metabolic activation and carcinogenicity of polycyclic aromatic hydrocarbons" 1358
"Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase." . 946
"In vitro and in vivo activation of oxidative drug metabolism by flavonoids" 1501
"Interindividual differences in benzo(a)pyrene activation by lymphocytes, monocytes, and human skin as an indication of potential risk" 1827
"Metabolic activation pathways of cyclopenta-fused PAH (polycyclic aromatic hydrocarbons) and their relationship to genetic and carcinogenic activity" 1660
"Metabolic activation of benzo(a)pyrene 7 8 dihydrodiol and benzo(a)pyrene 7 8 dihydrodiol 9 10 epoxide to protein binding products and the inhibitory effect of glutathione and cysteine" 1422
"Metabolic activation of the N-heterocyclic carcinogen, 7H-dibenzo(c,g)carbazole" 1891
"Metabolic activation of 1-nitropyrene by rat mammary cytosol and rat mammary epithelial cells in culture" 1920
"Metabolic activation of polycyclic aromatic hydrocarbons by human colonic mucosa and bacteroides-fragilis" 1918
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Modulatory mechanisms of chemical carcinogenesis: the role of the NADPH pool in the benzo(a)pyrene activation" 1271
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Polycyclic aromatic hydrocarbon binding macromolecules. Identification, characterization and temperature activation of a 4.5 S binding nucleoprotein" 1864
"Procarcinogen activation in BALB/C-3T3 cell-rat liver cell cocultures" 1575

Activation (cont)
"Prostaglandin endoperoxide synthetase and the activation of benzo(a)pyrene to reactive metabolites in vivo in guinea pigs" 1294
"Quantum chemical and other theoretical studies of carcinogens, their metabolic activation and attack on DNA constituents" 1443
"Specificity of four forms of cytochrome P 450 in the metabolic activation of several aromatic amines and benzo(a)pyrene" 2012
"Stereoselective metabolism and activations of polycyclic aromatic hydrocarbons" 2015
"Studies on activation of benzo[a]pyrene for inhibition of interferon induction" 1217
"The activation of aromatic amines in some marine invertebrates" 947
"The homogeneity of rat liver microsomal cytochrome P-448 activity and its role in the activation of benzo[a]pyrene to mutagens" 1739
"Variability of benzo(a)pyrene activation in mouse embryo cell cultures" 1828
Acute Toxicity
"A quantitative structure-activity relationship between partition coefficients and the acute toxicity of naphthalene derivatives in Artemia salina Nauplii" 1278
"Comparative acute toxicity to aquatic organisms of components of coal-derived synthetic fuels" 1605
"Acute toxicity and chemical characteristics of moderately polluted runoff from highways" 1306
Adaptation to Pollution
"Mixed-function oxidases in fish their role in adaptation to pollution" 948
Adduct Formation
"Adduct formation in hemoglobin of the newborn mouse exposed in utero to benzo[a]pyrene" 1004
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of the skin and hemoglobin of red blood cells" 1859
"Structural effects in reactivity and adduct formation of polycyclic aromatic epoxide and diol epoxide derivatives with DNA: comparison between 1-oxiranylpyrene and benzo[a]pyrenediol epoxide" 940
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of skin and hemoglobin of red blood cells" 1861
Adenovirus SA-7
"Enhanced adenovirus SA-7 transformation in a continuous line of rat embryo cells pretreated with diverse chemicals" 1354

Adrenal Cortex
"Regional differences in adrenocortical benzo[a]pyrene metabolism in guinea pigs" 1249
"Strain differences in microsomal xenobiotic metabolism by adrenocortical inner and outer zones" 1180
"Hormonal regulation of benzo[a]pyrene metabolism in human adrenocortical cell cultures" 1386
Adrenal Gland
"Adrenal mediation of ethanol's inhibition of benzo[a]pyrene metabolism" 1115
"Adrenal mediation of the effects of acute ethanol on benzo(a)pyrene metabolism" 1114
Adrenal Steroidogenesis
"Characterization of the changes in control of adrenal steroidogenesis induced by polycyclic aromatic hydrocarbons and 2,3,7,8- tetrachlorodibenzo-p-dioxin" . 887
Adsorbent
"Polypropylene as an adsorbent for trace organics in water" 161
Adsorption
"Adsorption and condensation of polycyclic aromatic hydrocarbons on ultrafine soot aerosols" 265
"Adsorption properties of PAH on asbestos and iron oxides, in relation with their activity in biological medium" 295
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
"Behavior of some organic micropollutants in river sediments and groundwater" 472
"Chemical reactivity of polycyclic aromatic compounds vapor-adsorbed on coal stack ash" 639
"Comment on: "Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon"" 453
"Determination of vapor pressure of polycyclic aromatic hydrocarbons in the supercooled liquid phase and their adsorption on airborne particulate matter" 221
"Effect of particulates on metabolism and mutagenicity of benzo[a]pyrene." 1105
"Effects of vapor pressure of polycyclic aromatic hydrocarbons on their adsorption/desorption between vapor phase and particulate phase in ambient air" 553
"Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon" 2205
"Estimating adsorption of polycyclic aromatic hydrocarbons on soils" 282
"Nitration of polycyclic aromatic hydrocarbons adsorbed to different carriers in a fluidized bed reactor" 763
"Photolysis of polycyclic aromatic hydrocarbons adsorbed on simulated atmospheric particulates" 246

Adsorption (cont)
"Prediction of retention indicies of polynuclear aromatic hydrocarbons. Part II. Capillary gas chromatography ERDA/400105" 78
"Reactions of adsorbed pyrene and perylene with gaseous nitrogen pentoxide (N205) under simulated atmospheric conditions" 149
"Rebuttal to: "Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon"" 2206
"Trace organic compounds in rain. 1. Sampler design and analysis by adsorption/thermal desorption (ATD)" 440
Adsorption Isotherms
"Adsorption isotherms of polycyclic aromatic hydrocarbons on asbestos chrysotile by high-pressure liquid chromatography" 129
"Adsorption isotherms of polycyclic aromatic hydrocarbons on asbestos chrysotile by high-pressure liquid chromatography" 129
Aedes aegypti
"The phototoxicity of noncarcinogenic polycyclic aromatic hydrocarbons in aquatic organisms" 1431
Aerial Deposition
"Collection methods and aerial deposition predictions for polycyclic aromatic hydrocarbons" 249
Aerobic Degradation
"Selective aerobic degradation of methyl-substituted polycyclic aromatic hydrocarbons in petroleum by pure microbial cultures" 244
Aerosols
"A major wintertime (1983) pollution episode: analysis of the accumulation and partial distribution of the organic fraction" 389
"Adsorption and condensation of polycyclic aromatic hydrocarbons on ultrafine soot aerosols" 265
"An overview of the Rio de Janeiro Aerosol Characterization Study" 611
"Bioactivation of premutagenic aerosol extracts by liver and lung homogenates of different species" 1427
"Characteristic parameters of particle size distributions of primary organic constituents of ambient aerosols" 814
"Characterization of organics in aerosol samples from a Los Angeles receptor site using extraction and liquid chromatography methodology" 344
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1863
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1862
"Correlations among atmospheric elements, airborne particulate matter, benzene extracts, benzo(a)pyrene, nitric oxide, nitrogen dioxide, and sulfur dioxide concentrations in Japan" 300

Aerosols (cont)
"Determination of isomeric aromatic compounds in natural extract samples (petroleum, sediment, aerosol) by high resolution fluorometry" 306
"Development of laser-based molecular spectrometric methods for polycylic aromatic hydrocarbons in environmental sciences. Progress report September 1, 1981 - April 1, 1984. ERDA/400104" 216
"Effect of complexes of carcinogenic chemical compounds on the microsomal oxidation system of workers in graphite manufacture" 2106
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
"Generation of benzo(a)pyrene-tagged aerosols" 160
"Interlaboratory comparison of quantification of PAH in atmospheric aerosols by gas and liquid chromatographies and by Shpol'skii fluorometry" 118
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis" 1193
"Monodisperse aerosols of ammonium bisulfate and pyrene" 2159
"Occupational hygiene in the production of recycled aluminum" 2134
"Organic components in size-separated aerosols from the western North Pacific" 436
"Organic matter of the troposphere. III. Characterization and sources of petroleum and pyrogenic residues in aerosols over the western United States" ... 779
"Preseparation of polar, substituted, polycyclic aromatic hydrocarbons in aerosol extracts by high-performance liquid chromatography on acidic- or basic-buffered silica" 186
"Problems in sampling the polycyclic aromatic hydrocarbons and air-dispersed particles" 153
"Selective determination of substituted PAH in aerosols using liquid carbon dioxide-extraction, HPLC prefractionation on chemically activated silica, and HRGC combined with negative ion mass spectrometry" 185
"Source of mutagens in Contra Costa County community aerosols" 632
"Sources of mutagens in Contra Costa County community aerosols during pollution episodes: diurnal variations and relations to source emissions tracers" 633
"Sources of nitroaromatic mutagens in atmospheric polycyclic organic matter" 644

Aerosols (cont)
"Studies on the inhalation toxicity of dyes present in colored smoke munitions. Phase III, Studies: Four-week inhalation exposures of rats to dye aerosols" 1106
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203
Age Effects
"Differential immunotoxic effects of the environmental chemical benzo[a]pyrene in young and aged mice" 1549
Agmenellum quadruplication
"Oxidation of phenanthrene by the marine Cyanobacterium Agmenellum- Quadruplicatum strain PR-6" 982
Agricultural Research Area
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250
Agricultural Soils
"Monitoring sludge-amended agricultural soils" 271
Ah Locus
"Role of the Ah locus in determining the immunotoxicity of polyhalogenated aromatics hydrocarbons (PHAHs) and polycyclic hydrocarbons (PHs)" 1479
"Induction of immunotoxicity by polycyclic hydrocarbons: role of the Ah locus" 1547
"The Ah Locus: receptor-mediated induction of several drug-metabolizing enzymes by polycyclic hydrocarbons" ... 1656
"Benzo(a)pyrene metabolism in mouse liver association of both 7,8-epoxidation and covalent binding of a metabolite of the 7,8 with the Ah locus" 1953
Ah Receptor
"Ah receptor in primate liver: binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin and carcinogenic aromatic hydrocarbons" 1696
"Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols" 1695
"Evidence for a homologous nature of Ah receptors among various mammalian species" 1296
"Carcinogen-binding proteins. High-affinity binding sites for benzo[a]pyrene in mouse liver distinct from the Ah receptor" 879
Air
"A preliminary study on the preservability of benzo(a)pyrene in stored atmospheric particulate matter samples" 6
"A critical review of nitro- and oxy-PAH compounds in the atmosphere" 292
"A comparison between different high volume sampling systems for collecting ambient airborne particles for mutagenicity testing and for analysis of organic compounds" 5

Air (cont)
"A new approach to the identification of sources of airborne mutagens and carcinogens: receptor source apportionment modeling" 610
"Accumulation of airborne pollutants (PAH, chlorinated hydrocarbons, heavy metals) in various plant species and humus" 510
"Adsorption isotherms of polycyclic aromatic hydrocarbons on asbestos chrysotile by high-pressure liquid chromatography" 129
"Advice on polycyclic aromatic hydrocarbons in outside air" 235
"Air pollution from aluminum smelting plants. I. The emission of polycyclic aromatic hydrocarbons and of mutagens from an aluminum smelting plant using the Soderberg process" 564
"Air pollution implications of increasing residential firewood use" 720
"Air pollution patterns in two cities of Colombia, S.A. according to trace substances content of an epiphyte (Tillandsia recurvata L.)" 482
"Air, land, water analysis system (ALWAS): a multimedia model for toxic substances. NEPA-600/3-84-052" 518
"Air monitoring of aromatic polycyclic hydrocarbons in Ascoli Piceno" 396
"Air quality in polluted areas and far from emitters" ... 354
"Air pollution in the operation of boilers" 817
"Air pollution by carcinogenic polyaromatic hydrocarbons" 369
"Air pollution: applications of simple luminescence techniques" 208
"Air pollution and lung cancer" 2108
"Air quality and biological controls of workers exposed in working premises contiguous to an urban road-tunnel" . 2059
"Air emission risk assessment model: benzo(a)pyrene and arsenic emissions from the Mt. Tom Power Plant" 2225
"Ambient impact of residential wood combustion in Elverum, Norway" 464
"An overview of the Rio de Janeiro Aerosol Characterization Study" 611
"Analysis of organic pollutants in airborne particulate matter in Taiyuan area" 558
"Analysis of emissions collected from four types of iron casting molds" 754
"Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry" 157
"Analytical method for polynuclear aromatic hydrocarbons in airborne particulates by high performance liquid chromatography" 174
"Application of cluster analysis to identify sources of airborne polycyclic aromatic hydrocarbons" 801

Air (cont)
"Application of high-resolution Shpol'skii luminescence spectroscopy to the determination of polycyclic aromatic hydrocarbons (PAH) in environmental samples" 307
"Assessment of emissions of specific compounds from a resource recovery municipal refuse incinerator NEPA/560/15-84/002" 657
"Average daily respiratory intake of polycyclic aromatic hydrocarbons in ambient air determined by capillary gas chromatography" 2115
"Balb-C-3T3 cell transformation response to extracts of organic air samples as seen by their survival in aggregate form" 2028
"Behavior of blood gamma glutamyl transferase in workers exposed to hepatoxic agents" 2050
"Benzo(a)pyrene in New Jersey USA results from a twenty-seven-site study" 327
"Benzo(a)pyrene content of the human lung in relation to various environmental factors" 2052
"Biological and chemical testing of coke oven emissions" 607
"Biomass fuel combustion and health" 2060
"Changing pattern of mutagens in airborne particulates in Lanzhou City" 512
"Characteristic parameters of particle size distributions of primary organic constituents of ambient aerosols" 814
"Characterization of malodorous volatiles in air using olfactometry and computer assisted capillary-gas chromatography-mass spectrometry" 193
"Characterization of polycyclic aromatic hydrocarbons in air particulate extracts by liquid gas chromatographic methods" 405
"Characterization of organic compounds on airborne particles" 264
"Characterization and temperature dependence of PAH emissions from a simulated rubber combustion operation" . 693
"Characterization of airborne trace metal and trace organic species from coal gasification" 753
"Characterization and source apportionment of wintertime aerosol in a wood-burning community" 774
"Characterization of polynuclear aromatic hydrocarbons in petroleum refining localities. Progress report, December 1, 1983 - November 30, 1984" 821
"Chemical and photochemical degradation of polycyclic aromatic hydrocarbons in the atmosphere" 522
"Chemical and biological characterization of organic material from gasoline exhaust particles" 565
"Chemical and mutagenic analysis of extracts of airborne particulates at industrial region" 1177
"Chemical and biological characterization of emissions from a fireperson training facility" 2043

Air (cont)
"Chromatographic techniques for characterization of coal tar pitch volatiles" 18
"Collection methods and aerial deposition predictions for polycyclic aromatic hydrocarbons" 249
"Collection of airborne polycyclic aromatic hydrocarbons and other organics with a glass fiber filter-polyurethane foam system" 364
"Concentrations of pollutants in fogwaters of NE-Bavaria, FRG, using a Grunow fogwater sampler" 483
"Content of 3,4-benzopyrene in the atmospheric air of a town without specific industrial emissions" 462
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1862
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1863
"Control of pollutants from woodburning stoves in the indoor environment" 687
"Counting alveolar macrophages (AM) from expectorate samples of exposed workers as a test for lung irritation from occupational exposure" 2082
"Detection of polycyclic aromatic hydrocarbons at different natural microparticulate level by laser microprobe mass analysis (LAMMA)" 204
"Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence" 176
"Determination of the total polycyclic aromatic hydrocarbons and benzo(a)pyrenes in smoky air in meat factories" 730
"Determination of polynuclear nitro-aromatic hydrocarbons in airborne particulates with high-performance liquid chromatography" 351
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high performance thin-layer chromatography and fluorescence scanning densitometry" . 267
"Determination of 2-nitrofluoranthene and 2-nitropyrene in ambient particulate organic matter: evidence for atmospheric reactions" 451
"Determination of vapor pressure of polycyclic aromatic hydrocarbons in the supercooled liquid phase and their adsorption on airborne particulate matter" 221
"Determination of organic pollutants in the air and in the used sands of iron foundries" 2089
"Distribution of polycyclic aromatic hydrocarbons in airborne particulates of various sizes" 696
"Drum mix asphalt plants - Maryland's experience" 654
"Effect of fuel combustion conditions in the modern thermal electric power plants on atmospheric air pollution by benzo(a)pyrene and nitrogen oxides" 572
"Emission rates from unvented gas appliances" 699
"Emissions from oil-fired domestic furnaces" 575

Air (cont)
"Environmental assessment of a firetube boiler firing coal/oil/water mixtures. Volume 1. Technical results NACUREX/TR-81-89/EE- VOL-1" 618
"Environmental effects of coal liquefication, the example of the Bottrop Plant" 631
"Environmental transformation of 1-nitropyrene on glass surfaces" 247
"EPA/AEERL source testing program for coal gasification technologies (Kosovo test site)" 587
"Evaluation of air and reservoir water pollution by hydrocarbons in populated areas" 248
"Evaluation of polyurethane foam cartridges for measurement of polynuclear aromatic hydrocarbons in air" 39
"Evaluation of the mutagenicity and the identification of airborne particulate extracts by a gas chromatography-mass spectrometry computer data system" . 226
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
"Experience and prospects for research on chemical carcinogens in the environment" 486
"Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples" 211
"Forklift trucks. Chemical pollution, noise, vibration" . 2057
"Frequency, analysis and importance of PAHs as environmental carcinogens" 1320
"Gas-liquid chromatographic determination of polycyclic aromatic hydrocarbons in airborne particulates" 189
"Health effects of diesel exhaust. A contemporary air pollution issue" 2116
"Health hazard evaluation report no. HETA 81-284-1292, Union Carbide Grafito, Yabucoa, Puerto Rico." 2058
"High-performance liquid chromatographic studies of environmental carcinogens in China" 549
"Hydrocarbon emissions from Soderberg pots" 570
"Hydrocarbons in a Tokyo Bay sediment" 502
"Hygienic (and chemical) evaluation of settling dust" ... 2102
"Identification of polycyclic aromatic compounds in mutagenic emissions from steel casting" 2128
"Imissions of polycyclic aromatic hydrocarbons in West Berlin" 376
"Immission and emission measurement of carcinogenic substances" 594
"Impact of residential wood combustion or measured particulate and PAH concentrations in Whitehorse, YT" ... 732
"In vitro cell transformation by air pollutants" 1790
"Incineration of municipal refuse Report NLR-498(AP)-M" . 599
"Indicators of hazard for polycyclic organic matter NEPA-600/D-84-068" 2118
"Industrial emissions from a tar-processing plant" 612

Air (cont)
"Industrial hygiene sampling at Rio Blanco oil shale facility. 2. Sampling during burn of retort one" 2086
"Influence of carbonaceous particles on the interaction of coal combustion stack ash with organic matter" 650
"Investigative air monitoring study at a burning coal refuse pile in Oak Hill, West Virginia" 773
"Isolation of mononitrated polycyclic aromatic hydrocarbons in particulate matter by liquid chromatography and determination by gas chromatography with the thermal energy analyzer" 196
"Laser microprobe mass analysis of refinery source emissions and ambient samples" 623
"Levels of vehicles-generated air pollutants in a street canyon" 659
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in air particulate extracts" 406
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Metabolism and genotoxicity of 1-nitropyrene" 1085
"Microclimatic conditions in a medium power station and their effects on human organism" 2081
"Model analysis of the measured concentration of organic gases in the Norwegian Arctic" 345
"Monitoring method for airborne polycyclic aromatic hydrocarbons" 195
"Monitoring polycyclic aromatic hydrocarbons. An environmental application of fuzzy c-varieties pattern recognition" 70
"Multimedia transport of particle-bound organics: benzo(a)pyrene test case" 473
"Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant" .. 2045
"Mutagen formation by the photochemical reaction of polycyclic aromatic hydrocarbons with nitrogen oxides" .. 335
"Mutagenic activity and PAH-analysis of airborne particles from a woodheating community in Norway" 1615
"Mutagenic activity of air samples from the towns of Lodz and Zgierz (Poland)" 1903
"Mutagenic activity of solid emissions of different combustion systems" 1099
"Mutagenic activity of airborne particulates sampled in Berlin (West)" 2006
"Mutagenic/carcinogenic hazards in a cold-rolling steel plant exposed to mineral oils: environmental monitoring phase" 2119
"Mutagenicity of airborne particulates" 1487
"Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air" 1622
"Mutagenicity and chemical analysis of airborne particulates from a rural area in Italy" 1771

Air (cont)
"New York State techniques and experience in regulating toxic air contaminants" 2217
"Occupational exposure to polycyclic aromatic hydrocarbons in some New Zealand industries" 2230
"Occupational health study at the KRW Coal Gasification PDU" 2069
"Occurrence of nitro-PAH in the atmosphere in a rural area" 425
"Occurrence, analysis and significance of PAH as an environmental carcinogen" 320
"Optimization of sampling methods and of the analysis of polycyclic aromatic hydrocarbons and their nitrogen derivatives - determination of their stability in the atmosphere" 263
"Organic components in size-separated aerosols from the western North Pacific" 436
"Organic and elemental characterization of wintertime aerosol in a wood-burning community" 485
"PAH in small (industrial) plants. Measurement of polycyclic aromatic hydrocarbons in the work environment" 2033
"Permissible concentrations of dangerous substances in the air of the workplace" 2212
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Plants as monitoring samplers of airborne PAH" 29
"Polycyclic aromatic hydrocarbons in New Jersey: A comparison of winter and summer concentrations over a two-year period" 317
"Polycyclic aromatic hydrocarbons in Finnish sauna air" . 2088
"Possible risk of liver diseases from exposure to bitumen" 2051
"Preservation of benzo(a)pyrene in airborne particulate" 224
"Problem of the working environment in the Usti nad Labem pressure gas plant" 2054
"Problems in sampling the polycyclic aromatic hydrocarbons and air-dispersed particles" 153
"Procedures for estimating atmospheric deposition properties of organic chemicals" 519
"Public health risks from an oil shale industry" 2125
"Pyrolysis of phthalic acid esters: their fate" 256
"Qualitative identification of polycyclic aromatic hydrocarbons by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 32
"Quantification of polycyclic aromatic hydrocarbons and nitro-substituted polycyclic aromatic hydrocarbons and mutagenicity testing for the characterization of ambient air particulate matter" 543
"Rapid sampling and analysis of volatile constituents of airborne particulate matter" 316

Air (cont)
"Reactivity of polycyclic aromatic hydrocarbons towards nitrating species" 424
"Receptor models for airborne organic species NEPA/600/3-85/014" 275
"Relative thermochemical stabilities and reactivities of benzo(a)pyrene and selected isomers" 318
"Reply to the comment of Dr. Nielsen on "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 158
"Report of the instrumentation panel on future research needs" 2169
"Residential wood burning and air pollution" 760
"Results of discontinuous sulfur dioxide and multicomponent measurements in the Rhine-Ruhr region for 1983" 348
"Role of airborne particulate matter components on photochemical degradation of pyrene, benzoanthracene and benzo(a)pyrene. A preliminary report" 523
"Role of trace contaminants in toxic emissions from thermal electric power plants" 567
"Sampling and analysis methodology for semivolatile and nonvolatile organic compounds in air" 162
"Sampling and analysis of bitumen fumes" 27
"Scavenging of airborne polycyclic aromatic hydrocarbons by rain" 527
"Similarity of some organic compounds in spark-ignition and diesel engine particulate extracts" 581
"Size distribution of benzo(a)pyrene in airborne particulates" 384
"Some recommendations for siting ambient monitors at synfuel plants" 314
"Source of mutagens in Contra Costa County community aerosols" 632
"Sources of mutagens in Contra Costa County community aerosols during pollution episodes: diurnal variations and relations to source emissions tracers" 633
"Spectrofluorometric determination of benzo(a)pyrene in environmental airborne particulates and soils" 504
"Studies on air pollution due to vehicle traffic at Pecs" 744
"Studies on correlations among air pollutants" 552
"Studies on emissions from coal burning stoves (sigries) as used in eastern India" 615
"Studies on chemical compositions of airborne particulates collected by the 10.mu.m cutoff low-volume air sampler. IV" 484
"Study of workplace pollution by polycyclic aromatic hydrocarbons" 2049
"Summertime variations in polycyclic aromatic hydrocarbons at four sites in New Jersey" 328

Air (cont)
"Survey of direct analysis methods for organic compounds in particulate matter. NEPA-600/4-84-016" 3
"Technical rules for application of the Ordinance on dangerous industrial substances" 2213
"Testing for mutagens in filter samples from the work atmosphere of an aluminum plant" 2105
"The 3,4-benzpyrene content of atmospheric air in a city without specific industrial emissions" 761
"The ratio of benzo(a)pyrene to particulate matter in smoke from prescribed burning" 825
"The contribution of residental wood combustion to ambient air pollution in Nashville, Tennessee - a case study" 689
"The occurrence of organic chemicals in the atmosphere of the Netherlands" 324
"The effectiveness and cost benefit of a luminescence screening procedure for polyaromatic pollutants in ambient air" 209
"The reduction of nitro polycyclic aromatic hydrocarbons during mass spectrometry" 154
"The measurement of on-the-fly Fourier transform infrared reference spectra of environmentally important compounds" 73
"The 1984 Association Lecture of the Hospital Physicists' Association. Man and his environment" 2074
"The air toxics problem in the United States: an analysis of cancer risks for selected pollutants" 2219
"Theoretical plate measurements and collection efficiencies for high-volume air samplers using polyurethane foam" 22
"Three-dimensional high-performance liquid chromatography based on time-resolved laser fluorimetry" 83
"Toxic characteristics of gas turbine engines with hydrogen atomization of hydrocarbon fuel" 1439
"Validating a simplified determination of benzo(a)pyrene in particulate matter from prescribed forestry burning" . 824
"Vapor-phase sampling of organic compounds" 98
"Waste oil heaters: emissions and impacts" 604
"Waste oil heaters: organic, inorganic, and bioassay analyses of combustion samples. NEPA-600/D-84-130" 605
Air Pollution
"Air pollution and cancer. Investigation of hazardous constituents from various emission sources and their carcinogenic impact" 1051
"Air pollution - 'toxic' or 'hazardous' air pollutants" . 2224

Air Pollution Control
"Removal of polynuclear aromatic hydrocarbons from primary aluminum air pollution control scrubber wastewater" 2184
"Removal of polynuclear aromatic hydrocarbons from primary aluminum air pollution control scrubber wastewater" 2195
Airborne Particles
"Mutagenic activity and PAH-analysis of airborne particles from a woodheating community in Norway" 1615
"The use of the Salmonella/microsome mutagenicity test for the characterization of organic extracts from ambient particulate matter" 1535
"Potential toxicity of urban inert airborne particles" .. 1274
"Mutagenicity of airborne particulates" 1487
Aldehyde Dehydrogenase
"Isolation and characterization of rat liver cytosolic aldehyde dehydrogenases induced by phenanthrene or benzo[a]pyrene" 1935
Aldrich Humic Acid
"Reverse-phase separation method for determining pollutant binding to Aldrich humic acid and dissolved organic carbon of natural waters" 379
Alga(e)
"Algae as indicators of seawater pollution by polycyclic arenes" 530
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
"Distribution of some polycyclic aromatic hydrocarbons in water reservoirs of Estonia" 531
"Effect of polynuclear hydrocarbons on algal nitrogen fixation (acetylene reduction)" 851
"Environmental hazard profile of organic chemicals. An experimental method for the assessment of the behavior of organic chemicals in the ecosphere by means of simple laboratory tests with carbon-14-labeled chemicals" 297
"Forecasting fate and effects of aromatic hydrocarbons in aquatic systems" 240
"Interaction of exogenous hydrocarbons with Chlorella algae in an aqueous medium" 1035
"Microbial metabolism of polycyclic aromatic hydrocarbons" 865
"Mutagenicity of algal metabolites of benzo(a)pyrene for Salmonella typhimurium" 1835
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
Algal Oxidation
"Stereospecificity in algal oxidation of the carcinogen benzo(a)pyrene" 959

Alkaline-Labile Sites
"Induction of alkaline-labile sites in DNA by benzo [a]pyrene and the repair of those lesions in cultured Chinese hamster cells" 1685
Alkylation
"Alkylation of hemoglobin in mouse after exposure to benzo(a)pyrene" 1858
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo(a)pyrene" 1856
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo[a]pyrene" 1003
Alkylbenzenes
"On the sensitized photo-oxidation of alkylbenzenes in seawater" 285
Alpha CG Gene
"Role of benzo(a)pyrene and metabolites in the induction of alpha CG gene expression in ChaGo cells" 1996
Alpha Irradiation
"The generation of oxidation products of benzo(a)pyrene by lipid peroxidation a study using Alpha irradiation" .. 907
Alpha/Beta Interferon
"Effects of a strong and a weak carcinogen on murine alpha/beta interferon production in vivo." 1702
Alumina Particles
"Factors influencing the mutagenic activity of benzo(a)pyrene-coated alumina particles" 1398
Aluminum
"Removal of polynuclear aromatic hydrocarbons from primary aluminum air pollution control scrubber wastewater" 2195
Aluminum Industry
"Bladder cancer in the aluminum industry" 2155
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
Aluminum Plant
"Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant" .. 2045
"Testing for mutagens in an aluminum plant. The results of Salmonella typhimurium tests on expectorates from exposed workers" 2104
"Industrial-hygienic evaluation of the effectiveness of sanitation measures adopted in the anodic material shop of the aluminum plant" 2149
"Testing for mutagens in filter samples from the work atmosphere of an aluminum plant" 2105
Aluminum Smelters
"Methods of monitoring occupational exposure in aluminum smelters" 2152

Aluminum Smelting
"Air pollution from aluminum smelting plants. II. The contribution from an aluminum smelting plant using the Soderberg process to polycyclic aromatic hydrocarbons and mutagens in ambient air" 562
"Air pollution from aluminum smelting plants. I. The emission of polycyclic aromatic hydrocarbons and of mutagens from an aluminum smelting plant using the Soderberg process" 564
Aluminum Workers
"Genetic monitoring of aluminum workers exposed to coal tar pitch volatiles" 2090
Alveolar Macrophages
"Measurement of viability and aryl hydrocarbon hydroxylase activity in cryopreserved baboon peripheral blood lymphocytes and pulmonary alveolar macrophages" .. 972
"Influence of phagocytosis of benzo(a)pyrene (BaP) coated ferric oxide (Fesub 2Osub 3) on benzo(a)pyrene metabolism by pulmonary alveolar macrophages (PAM)" 1319
"Activation of cigarette smoke components to mutagens in V79 cells by pulmonary aveolar macrophages (PAMS) lavaged from sham- puffing and cigarette-smoking baboons" 1567
"Aryl hydrocarbon hydroxylase induction in rat pulmonary alveolar macrophages (PAMs) by diesel particulates and their extracts" 874
"Metabolism of 1-nitropyrene by cultured rabbit alveolar macrophages and respiratory tract tissues" 1456
"Counting alveolar macrophages (AM) from expectorate samples of exposed workers as a test for lung irritation from occupational exposure" 2082
Alveolar Type II Cells
"Increases in benzo(a)pyrene metabolism and cytochrome P-4506 content in alveolar type II cells isolated from tetrachlorodibenzo- dioxin treated rabbits" 1226
Amberlite XAD-4 Resin
"Method for the determination of low levels(10-11 g/l) of benzo(a)pyrene in raw water supply by derivative spectrofluorometry after sorption with Amberlite XAD-4 resin" 134
Ambient Air
"Traffic's contribution to the dust and PAH levels in the ambient air of big German cities" 690
"Survey of non-regulated pollutants in ambient air. I" . 551
"Distribution of formaldehyde, mercury, and benzo(a)pyrene in ambient air in Kagawa Prefecture" 372
"Polynuclear aromatic hydrocarbons in the ambient air of Delhi (India)" 365
"Measurements of polycyclic aromatic hydrocarbons in ambient air particulates in Northern New England" 340
"The occurrence of some Polycyclic Aromatic Hydrocarbons in ambient air in Singapore" 234

Ambient Air (cont)
"Spectral fingerprinting of polycyclic aromatic hydrocarbons in high-volume ambient air samples by constant energy synchronous luminescence spectroscopy" . 105
"Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples" 210
"Sampling ambient air for mutagenicity testing by high-volume filtration on glass-fiber filters and on XAD-2" 4
"Effectiveness and cost benefit of a luminescence screening procedure for polyaromatic pollutants in ambient air" 206
"Air pollution from aluminum smelting plants. II. The contribution from an aluminum smelting plant using the Soderberg process to polycyclic aromatic hydrocarbons and mutagens in ambient air" 562
"Ambient air polynuclear aromatic hydrocarbons study. Sydney, Nova Scotia" 237
"Source discharges and ambient air pollution at the coal gasifier at Kosovo" 586
"Effects of vapor pressure of polycyclic aromatic hydrocarbons on their adsorption/desorption between vapor phase and particulate phase in ambient air" 553
"Source discharges and ambient air pollution at the coal gasifier at Kosovo" 585
"Ambient air monitoring study of residential woodburning in Mio, Michigan" 628
"Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air" 1614
Ambient Organic Vapors
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
American Lobster
"Polycyclic aromatic hydrocarbons in American lobster (Homarus Americanus) and Blue mussels (Mytilus Edulis) collected in the area of Sydney Harbour, Nova Scotia" .. 490
AMES
"A quantitative comparison of a percentile rule with a 2-fold rule for assessing mutagenicity in the AMES assay" 1157
"A comparison of genotoxicity of automotive exhaust particles from laboratory and environmental sources" 1136
"An evaluation of salmonella (AMES) test data in the published literature: Application of statistical procedures and analysis of mutagenic potency" 1577
"Factors influencing the mutagenic activity of benzo(a)pyrene-coated alumina particles" 1398
"Metabolism of 1,8-dinitropyrene in Salmonella Typhimurium" 1141

AMES (cont)
"Mutagenicity studies of P-substituted benzyl derivatives in the AMES salmonella plate-incorporation assay" 1080
"Pre treatment of rats and hamsters with di ethyl stilbestrol effects on metabolic enzyme activity and AMES test results" 1139
"The influence of 18 environmentally relevant polycyclic aromatic hydrocarbons and Clophen A50, as liver monooxygenase inducers, on the mutagenic activity of benz[a]anthracene in the Ames test" 1678
AMES Assay
"Ames assay chromatograms and the identification of mutagens in diesel particle extracts" 1816
"Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay" 2044
AMES Reversion Test
"Genotoxic activity and potency of 135 compounds in the Ames reversion test and in a bacterial DNA-repair test" . 1213
AMES Salmonella Assay
"Structure-activity relationships of 2-X-7 nitrogen dioxide fluorenes in the AMES Salmonella assay" 1954
AMES Test
"Polar organic compounds in urban aerosols and their mutagenic activity in the Ames test with S. typhimurium" 1628
"Enzymatic characterization of the polynuclear aromatic hydrocarbons activating rat-liver preparations used in the mutagenicity test of Ames" 1919
Amino Acid Conjugates
"Testing of 2,4,5-T-amino acid conjugates for mutagenic activity in salmonella typhimurium strains" 1765
Aminoacylation
"Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo(a)pyrene and 3,3- dimethyl-1-phenyltriazene" 1392
Amitrol
"Amitrol-induced cell transformation and gene mutations in Syrian hamster embryo cells in culture" 1942
Ammonium Sulfate
"Effects of inhaled ammonium sulfate on benzo[a]pyrene carcinogenesis" 1308
Ammunition Storage
"Measurement of exhaust emissions from diesel-powered forklifts during operations in ammunition storage magazines NPN-3611" 2160
Amperometric Detection
"Amperometric detection for liquid chromatographic separation of polynuclear hydrocarbons" 106

Amphipods
"Exposure of two species of deposit-feeding amphipods to sediment-associated (3H)benzo(a)pyrene: uptake, metabolism and covalent binding to tissue macromolecules" 1777
Anode Plant
"Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant" 2166
"Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in an anode plant" 2056
Anodic Material Shop
"Industrial-hygienic evaluation of the effectiveness of sanitation measures adopted in the anodic material shop of the aluminum plant" 2149
Antagonistic Effects
"Mechanism based inhibition of benzo(a)pyrene hydroxylase by aryl acetylenes" 842
"Potential anti tumor agents 42. Structure activity relationships for acridine substituted di methyl phosphoramidate derivatives of 9 anilino acridine" 1782
"Experimental study of antimutagenic activity of 5-methylresorcinol" 1712
"Inhibitory effects of tannins on direct acting mutagens" 1697
"Antimutagenic activity of fermented milk" 1763
"Corn oil and its minor constituents as inhibitors of 7-12-dimethyl- benz(a)anthracene induced chromosomal breaks in-vivo" 1756
"Prostaglandins and mutagenesis: prevention and/or reversibility of genetic damage induced by benzo (a) pyrene in the bone marrow cells of mice by prostaglandin E1" 1759
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
"Glutathione as an inhibitor of chromosomal breakage induced by 7- 12-dimethylbenz(a)anthracene benzo(a)pyrene cyclophosphamide and mitomycin C assessed by the in-vivo bone marrow micronucleus test" .. 1758
"Carotenoids prevention of carcinogenesis and photo carcinogenesis by benzo(a)pyrene and 8 methoxy psoralen" 1825
"Beta carotene prevents dimethylbenz(a)anthracene-induced tumors" 1781
"Quantitative microspectrofluorimetry study of the "blocking effect" of 6-aminochrysene on benzo[a]pyrene metabolism using single living cells" 951
"Suppressive effect of inflamation and other forms of stress on the binding of prolactin by rat liver" 1313
"Benzo(a)pyrene and gamma-radiation-induced genetic damage in mice can be prevented by gamma-linolenic acid but not by arachidonic acid" 1202

Antagonistic Effects (cont)
"Ellagic acid inhibits the binding of benzo(a)pyrene metabolites to DNA in cultured human bronchial tissues" . 1922
"Anti-carcinogenic effects of the administration of a plant essential oil component, eugenol. I. Inhibition of mutagenicity of benzpyrene and 2-acetylaminofluorene by S-9 fraction of liver from eugenol-administered rats". 2017
"Regiospecific and diastereoselective inactivation of mutagenic 9 10 dihydrobenzo(a)pyrene 7 8-oxide by hepatic cytosolic glutathione-s- transferase" 1971
Anthracene
"A new method for resolution of two- and three-component mixtures of fluorophores by phase-sensitive detection of fluorescence" 102
"Absorption of crude coal tar products in patients with psoriasis" 1892
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. II: Equilibrium in partition coefficient measurements," 308
"Action spectrum for anthracene-induced photosensitization of human skin" 2100
"Analysis of organics in the environment by functional group using a triple quadrupole mass spectrometer" 342
"Anthracene bioconcentration in Rainbow trout during single-compound and complex-mixture exposures" 1532
"Assimilation and metabolism of polycyclic aromatic hydrocarbons by vegetation: An approach to this controversial issue and suggestions for future research" 284
"Biodegradation of topped Kuwait crude" 260
"Bonded-phase extraction column isolation of organic compounds in groundwater at a hazardous waste site" 769
"Characterization of airborne trace metal and trace organic species from coal gasification" 753
"Characterization of organic compounds on airborne particles" 264
"Chemical transformation of polycyclic aromatic hydrocarbons vapour-adsorbed on coal stack ash" 822
"Chemical reactivity of polycyclic organic compounds adsorbed on coal fly ash and related solid surfaces. Progress report" 798
"Chemical and biological characterization of organic material from gasoline exhaust particles" 565
"Comparison of in vitro prediction and clinical outcome for two anthracene derivatives: mitoxantrone and bisantrene" 1502
"Concentration, separation and determination of hydrocarbons in seawater" 47
"Contact dermatitis to coal tar" 906

Anthracene (cont)
"Degradation and mineralization of the polycyclic aromatic hydrocarbons anthracene and naphthalene in intertidal marine sediments" 243
"Detection of polycyclic aromatic hydrocarbons by active nitrogen-induced chemiluminescence" 99
"Development of an animal model to study the phototoxic effects of anthracene and UV in skin and ocular tissues" 1206
"Differential induction of various carboxylesterases by certain polycyclic aromatic hydrocarbons in the rat" 1680
"Disposition of anthracene in the water and Aufwuchs matricies of a large outdoor channel microcosm: A data set for mathematical simulation models" 257
"Effect of highway runoff on lake water quality" 646
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo[a]pyrene, 2-aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy" 1505
"Effects of four aromatic organic pollutants on microbial glucose metabolism and thymidine incorporation in marine sediments" 854
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338
"Estimation of nitropolycyclic aromatic hydrocarbons in foods" 617
"Evaluating the environmental behavior of chemicals with a Level III fugacity model" 394
"Factors affecting the acid phosphatase activity of lysosomal membranes" 1940
"Fate of anthracene in an artificial stream: a case study" 378
"Favorable interaction between photooxidation and bacterial degradation of anthracene in sea water" 469
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up procedure consisting of liquid-liquid and reversed phase (octadecyl)-partitioning" 180
"Hematological toxicity: experience with anthracyclines and anthracene" 1268
"Human absorption of crude coal tar products" 2153
"Hydrocarbons in the sediments of Port Valdez, Alaska: consequences of five years' permitted discharge" 487
"In-vitro systems to study organ and species differences in the metabolic activation of chemical carcinogens" 1494
"Kinetics of the gas-phase reactions of the hydroxyl radical with naphthalene phenanthrene and anthracene" ... 23
"Light-dependent toxicity of.alpha.-terthienyl and anthracene toward late embryonic stages of Rana pipiens" 1432

Anthracene (cont)
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216
"Microbial degradation of selected aromatics in a hazardous waste site" 383
"Microbial metabolism of polycyclic aromatic hydrocarbons" 865
"Monitoring polycyclic aromatic hydrocarbons at a coal gasification facility: Preliminary results" 692
"Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite" 1691
"New schemes for the electron-capture sensitization of aromatic hydrocarbons" 69
"Oxidative losses of anthracene acenaphthylene and benzo(a)pyrene during florisil and silica gel cleanup using diethyl ether containing peroxides" 124
"Periodic depuration of anthracene metabolites by Rainbow trout" 1531
"Periodic depuration of anthracene metabolites by rainbow trout" 957
"Photoinduced toxicity of anthracene in aquatic organisms: an environmental perspective" 1700
"PMR spectral studies of Diels-Alder adducts anthracene-crotonic-acid anthracene-fumaric-acid and Beta naphthol-fumaric-acid" 179
"Prediction of seawater solubility of aromatic compounds" 329
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
"Rapid separation of phenanthrene, anthracene, and carbazole using a capillary column coated with liquid crystal" 59
"Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process" .. 2189
"Relationships between octanol-water partition coefficient and aqueous solubility" 415
"Relative rates and partial combustion products from the burning of chlorobenzenes and chlorobenzene mixtures" ... 811
"Resonance raman and absorption spectra of isomeric retinals in their lowest excited triplet states" 214
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
"Solar radiation-induced toxicity of anthracene to Daphnia Pulex" 1057
"Stereoselectivity of cytochrome P-450-C in the formation of naphthalene and anthracene 1 2-oxides" 200
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella-elegans" 871
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella elegans" 872

Anthracene (cont)
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
"The fate of hazardous wastes in used oil recycling" 591
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
"The stability of mutagenic chemicals stored in solution" 147
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203
"The fine structure of lysosomal membranes and endoplasmic reticulum in the digestive cells of Mytilus edulis exposed to anthracene and phenanthrene" 1679
"The photoenhanced toxicity of anthracene to juvenile sunfish (Lepomis spp.)" 1699
"The in vivo uptake of tritiated thymidine as a potential short-term test of toxic effects of polycyclic aromatic hydrocarbons in different organs." 1367
"The phototoxicity of benzo[a]pyrene in the green alga Selenastrum capricornutum" 1179
"The hairless mouse as a model for phototoxicity detection" 2004
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Ultraviolet spectrophotometric method for the determination of anthracene, naphthalene and pyrene in coal tars" 213
"Use of powdered activated carbon to reduce organic contaminant levels" 2199
"Vapor-phase sampling of organic compounds" 98
Anthracene Oil
"Use of gas chromatography for the determination of the composition of anthracene oil, from coal tar" 113
Anthracene-1,2-oxide
"Differential stereoselectivity of cytochromes P-450b and P-450c in the formation of naphthalene and anthracene 1,2-oxides. The role of epoxide hydrolase in determining the enantiomer composition of the 1,2-dihydrodiols formed"..... 199
Anthracene-9,10-dione
"Identification of extractable organic chemicals in sewage effluent by gas chromatography/mass spectrometry" 778
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high- pressure liquid chromatography fractions from wood smoke particle extracts" 1436

Anthralin Irritancy
"Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy" 1505
Anthraquinone
"Anthraquinone free-radical formation by mouse liver subcellular fractions" 1698
"Influence of anthraquinones on mucus secretions and transport of water and electrolytes in rat colon in-situ" 1515
"Inhibition of the mutagenicity of bay-region diol-epoxides of polycyclic aromatic hydrocarbons by tannic acid, hydroxylated anthraquinones and hydroxylated cinnamic acid derivatives" 1397
"Occupational health experience with organic addatives" . 2156
"On the sensitized photo-oxidation of alkylbenzenes in seawater" 285
"Ultrastucture of mouse intestinal mucosa and changes observed after long-term anthraquinone administration" .. 893
"Wastes from manufacture of dyes and pigments. Volume 4. Anthraquinone dyes and pigments" 656
Anti-tumor Activity
"The intercalative binding and antitumor activity of some bis-acridines related to nitracrine" 1048
Anti-tumor Agents
"Potential anti tumor agents 42. Structure activity relationships for acridine substituted di methyl phosphoramidate derivatives of 9 anilino acridine" 1782
Anti-tumor Drug
"DNA damage in Hela S-3 cells by an anti tumor drug ledakrin and other anti tumor 1 nitro-9-amino acridines" 1999
Antibodies
"Antibodies to benzo(a)pyrene and their use in immunoassays ERDA/550200" 1644
"Detection of benzo(a)pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in sera from coke oven workers" 2157
"Detection of benzo[a]pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in serum from coke oven workers" 2087
"Detection of antibodies to benzo(a)pyrene diol epoxide DNA adducts following occupational exposure to benzo(a)pyrene" 2121
"Effect of DNA conformation on the binding of antibodies to benzo(a)pyrene diol-epoxide DNA adducts" 1874
"Immunochemical examinations of cytochrome P-450 in various tissues of human fetuses using antibodies to human fetal cytochrome P- 450 P-450 HFLA" 2103
"Quantitation by electron microscopy of the binding of highly specific antibodies to benzo[a]pyrene-DNA adducts" 1719

Antibody Production
"Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene" 1983
Anticarcinogenic Action
"Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action" 1199
Antimutagenic Activity
"Experimental study of antimutagenic activity of 5-methylresorcinol" 1712
"Antimutagenic activity of some naturally occurring compounds towards cigarette-smoke condensate and benzo[a]pyrene in the Salmonella/microsome assay" 1927
Antimutagenic Factor(s)
"Antimutagenic factor(s) produced by escherichia coli" .. 1916
Antimutagens
"Plant phenolics as antimutagens: In vivo evidence for inhibition of an aromatic chemical carcinogen" 1967
Antioxidants
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
"Effect of antioxidants on the carcinogenic and mutagenic activity of benzo(a)pyrene" 1461
Antipain
"The influence of antipain on the induction of mutations in CHO cells" 1135
Aquaculture
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
Aquatic Animals
"Bioaccumulation of organic micropollutants from sediments and suspended particulates by aquatic animals" 422
"Statistical considerations in the evaluation of chronic aquatic toxicity studies" 1155
Aquatic Aspects
"Fundamentals of aquatic toxicology methods and applications" 1760
Aquatic Contamination
"Effect of highway runoff on lake water quality" 646
"Releases of coal liquefaction products in inland waters ORNL/TM-9535" 645
"The relationship of a coal-fired power plant to the levels of polycyclic aromatic hydrocarbons (PAH) in the sediment of Cayuga Lake" 673
"Discharge water from hydrostatic testing of natural gas pipelines as source of PAH loading into aquatic environments" 624

Aquatic Contamination (cont)
"A sediment quality triad: measures of sediment contamination, toxicity and infaunal community composition in Puget Sound (Washington, USA)" 392
"Behaviour of organic micropollutants (PAH, PCB and BHC) and of a fecal sterol in the Husum estuary and in the adjacent North Frisian Wadden Sea" 334
"Tetra chloro-9H carbazole, a previously unrecognized contaminant in sediments of the Buffalo River" 370
"Hydrocarbons in the sediments of Port Valdez, Alaska: consequences of five years' permitted discharge" 487
"Behavior of some PAH, PCB and organochlorine pesticides in an estuary, a comparison - Exe, Devon" 333
"Microcontaminants in Wisconsin's coastal zone" 441
"Sediment toxicity, contamination, and macrobenthic communities near a large sewage outfall" 499
Aquatic Ecosystems
"Use of a three-phase microcosm for analysis of contaminant stress on aquatic ecosystems" 230
Aquatic Effects
"The levels and effects of the carcinogen benzo(a)pyrene in marine organisms from the Los Angeles Harbor" 281
"Ecological effects of produced water effluents from offshore oil and gas production platforms" 412
"Research in fisheries contaminants and toxicology conducted by the Fisheries and Enviromental Sciences Division Fisheries Research Branch Scotia-Fundy Region Canada in 1984" 304
"Environmental effects of the use of oil-based drilling muds in the North Sea" 276
"Approaches to modeling the fate and effects of toxicants in pelagic systems" 262
"Comparison of laboratory and field assessment of fluorene - part II: effects on the ecological structure and function of experimental pond ecosystems" 258
"Forecasting fate and effects of aromatic hydrocarbons in aquatic systems" 240
"Fundamentals of aquatic toxicology methods and applications" 1760
Aquatic Fate
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Influence of microbial adaptation on the fate of organic pollutants in groundwater" 542
"Photochemical degradation of polynuclear aromatic hydrocarbons in aquatic systems" 556
"The physico-chemical speciation of polycyclic aromatic hydrocarbons (PAH) in aquatic systems" 466
"Fate of anthracene in an artificial stream: a case study" 378

Aquatic Fate (cont)
"Investigation into the fate of carbon-14-labeled xenobiotics (naphthalene, phenanthrene, 2,4,5,2',4',5'-hexachlorobiphenyl, octachlorostyrene) in Bermudian corals" 493
"Cycling of polynuclear aromatic hydrocarbons in the Great Lakes ecosystem" 326
"Spatial and temporal distribution of chemical substances in lakes: modeling concepts" 343
"Approaches to modeling the fate and effects of toxicants in pelagic systems" 262
"Forecasting fate and effects of aromatic hydrocarbons in aquatic systems" 240
Aquatic Levels
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
"Identification and determination of some trace organic compounds in coastal seawater of northern Greece" 302
"The levels and effects of the carcinogen benzo(a)pyrene in marine organisms from the Los Angeles Harbor" 281
Aquatic Occurrence
"Hydrocarbons in a Tokyo Bay sediment" 502
"Lake Mashu as a background pollution monitoring station" 437
"Aromatic hydrocarbons in waters of Port-Phillip Bay and the Yarra River Estuary Australia" 492
"GC/MS identification of organic pollutants in the Caroni River, Trinidad" 417
"Irregularity of pollution by cancerogenic substances of the ecosystem of the Baltic Sea" 321
"1981 Buffalo, New York area sediment survey (BASS) EPA-905/3-84-001" 467
"The distribution of polycyclic aromatic hydrocarbons in the surficial sediments of Penobscot Bay (Maine USA) in relation to possible sources and to other sites worldwide" 353
"Distribution of polycyclic aromatic hydrocarbons in the Great Lakes" 283
"Preliminary assessment of contaminants in soft sediments of the Detroit River" 288
"Activity and distribution of phenanthrene-degrading bacteria in the Great Bay Estuary,NH" 322
"Nitroarenes in Suimon River sediment" 478
"Polyaromatic hydrocarbon distributions in sediments of an urban catchment" 286
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477

Aquatic Occurrence (cont)
"Polycyclic aromatic hydrocarbons in bottom sediments on the river-sea geochemical barrier (as exemplified by the Mozambique Basin)" 443
"Base-neutral extractable organic pollutants in biota and sediments from Lake Pontchartrain" 410
"Hydrocarbons in Washington coastal sediments" 456
"Polycyclic aromatic hydrocarbons in the aquatic environment: occurrence and biological monitoring" 416
Aquatic Organisms
"The phototoxicity of noncarcinogenic polycyclic aromatic hydrocarbons in aquatic organisms" 1431
"Photoinduced toxicity of anthracene in aquatic organisms: an environmental perspective" 1700
"Comparative acute toxicity to aquatic organisms of components of coal-derived synthetic fuels" 1605
Aquatic Transport
"Pollution and the circulation of toxic pollutants in the Baltic Sea ecosystem" 517
"Geochemistry of polycyclic aromatic hydrocarbons in Columbia River and Washington coastal sediments" 455
"Chemical evidence of differential particle dispersal in the southern Washington coastal environment" 454
"Approaches to modeling the fate and effects of toxicants in pelagic systems" 262
"Hydrocarbon and azaarene markers of coal transport to aquatic sediments" 239
"Forecasting fate and effects of aromatic hydrocarbons in aquatic systems" 240
Aqueous Coal Oil
"Photolytic and partitioning behavior of polynuclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 757
Aqueous Solubilities
"Correlation and estimation of aqueous solubilities of polycyclic aromatic hydrocarbons" 17
Arachidonic Acid
"Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung" 983
"Effects of arachidonic acid and indomethacin on sister-chromatid exchange induction by polycyclic aromatic hydrocarbons in mammalian cell lines" 1047
"Arachidonic acid-dependent cooxidation. A potential pathway for the activation of chemical carcinogens in vivo" 945
Arctic
"Model analysis of the measured concentration of organic gases in the Norwegian Arctic" 345
"The long-range transport of organic pollutants to the Arctic" 432

Artemia salina
"Quantitative structure-toxicity relationships with osmotically stressed Artemia salina nauplii" 1279
"A quantitative structure-activity relationship between partition coefficients and the acute toxicity of naphthalene derivatives in Artemia salina Nauplii" 1278
Artificial Stream
"Fate of anthracene in an artificial stream: a case study" 378
Aryl Acetylenes
"Mechanism based inhibition of benzo(a)pyrene hydroxylase by aryl acetylenes" 842
Aryl Hydrocarbon
"Isolation of nuclear fractions from human fetal tissues ultrastucture and presence of epoxide hydrolase and aryl hydrocarbon hydroxylase" 1704
Asphalt
"Exposure to asphalt as the cause of development of skin cancer" 2099
Asphalt Paint
"Asphalt paint carcinogenesis [letter]" 1587
"Comparative carcinogenic and mutagenic activity of coal tar and petroleum asphalt paints used in potable water supply systems." 2132
Asphalt Plants
"Drum mix asphalt plants - Maryland's experience" 654
Asphalt Production
"Trapping of 3,4-benzpyrene in off-gas from oxidized asphalt production by means of water scrubbers" 2198
Asphalt-Laying Worker
"Multiple basalioma in an asphalt-laying worker" 2158
Asphaltenes
"A new caffeine bonded phase for separation of polyaromatic hydrocarbons and petroleum asphaltenes by high-performance liquid chromatography" 58
Assimilation
"Assimilation and metabolism of polycyclic aromatic hydrocarbons by vegetation: An approach to this controversial issue and suggestions for future research" 284
Atmosphere
"Atmospheric residence time of carbonaceous particles and particulate PAH-compounds" 420
"Atmospheric polycyclic aromatic hydrocarbons and their control in Zhongguancun, Beijing" 350
"Benzo(a)pyrene in atmosphere" 555
"Characterization of polycyclic organic matter (POM) from coal-fired power plants in the atmosphere and investigations of their transformation in the atmosphere" 746
"Chemical and photochemical degradation of polycyclic aromatic hydrocarbons in the atmosphere" 522

Atmosphere (cont)
"Correlations among atmospheric elements, airborne particulate matter, benzene extracts, benzo(a)pyrene, nitric oxide, nitrogen dioxide, and sulfur dioxide concentrations in Japan" 300
"Detection of potential carcinogens, nitro-substituted polynuclear aromatic hydrocarbons, in atmospheric particulates of Beijing area" 548
"Determination of 23 polycyclic aromatic hydrocarbons in atmospheric particulate matter of the Paris area and photolysis by sunlight" 419
"Diurnal variation of polycyclic aromatic hydrocarbons in atmospheric suspended particulates from the Beijing area" 559
"Factor analysis of atmospheric pollution by polycyclic aromatic hydrocarbons" 554
"Gaseous and particulate polycyclic aromatic hydrocarbons (PAH) from the marine atmosphere" 399
"Occurrence of nitro-PAH in the atmosphere in a rural area" 425
"Optimization of sampling methods and of the analysis of polycyclic aromatic hydrocarbons and their nitrogen derivatives - determination of their stability in the atmosphere" 263
"Quality of the atmosphere" 375
"Sources and chemical reactivity of polynuclear aromatic hydrocarbons in the atmosphere - a critical review" 747
"Sources of nitroaromatic mutagens in atmospheric polycyclic organic matter" 644
"The occurrence of organic chemicals in the atmosphere of the Netherlands" 324
Atmospheric Concentration
"Atmospheric concentrations of polycyclic aromatic hydrocarbons in the city of Berlin" 377
Atmospheric Conditions
"Reactions of adsorbed pyrene and perylene with gaseous nitrogen pentoxide (N2O5) under simulated atmospheric conditions" 149
Atmospheric Deposition
"Procedures for estimating atmospheric deposition properties of organic chemicals" 519
Atmospheric Reactions
"Determination of 2-nitrofluoranthene and 2-nitropyrene in ambient particulate organic matter: evidence for atmospheric reactions" 451
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
Atmospheric Reactivity
""Atmospheric" reactivity of particulate polycyclic aromatic hydrocarbons collected in an urban tunnel" 413

Automated Analysis
"Interim protocol for the automated analysis of semivolatile organic compounds by gas chromatography/Fourier transform infrared (GC/FT-IR) spectrometry" 72
Automated Determination
"Description of a method for automated determination of organic pollutants in water" 181
Automated GC/MS
"Automated GC/MS for analysis of aromatic hydrocarbons in the marine environment" 494
Automated Survey System
"Studies on an automated survey system of environmental chemicals by gas chromatography-mass spectrometry-computer. I. Retrieval system of mass spectra" 175
Automobile Emissions
"Automotive emission factors: an indirect measurement method applied to polycyclic aromatic hydrocarbon and lead emissions" 712
"A comparison of genotoxicity of automotive exhaust particles from laboratory and environmental sources" 1136
"Effect of prolonged exposure to carbon black particles on the pulmonary clearance of inhaled diesel particles" . 1510
Automobile Exhaust
"Trace gas emissions in the exhausts of passenger cars" . 735
"The carcinogenic components of automobile exhaust" 651
"Polycyclic aromatic hydrocarbon stability scale established in-situ in an urban region" 427
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high performance thin-layer chromatography and fluorescence scanning densitometry" . 267
"Experimental methods for the detection of the carcinogenicity and/or cocarcinogenicity of inhaled polycyclic-aromatic-hydrocarbon- containing emissions" . 1365
"Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system" 1677
"Dog pulmonary macrophage metabolism of free and particle-associated 14C-benzo(a)pyrene" 1117
"Air pollution and cancer. Investigation of hazardous constituents from various emission sources and their carcinogenic impact" 1051
"Frequency, analysis and importance of PAHs as environmental carcinogens" 1320
"Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification" 2229
"Diesel exhaust exposure and lung cancer: a case--control study" 2085
"Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay" 2044

Automobile Exhaust (cont)
"To what extent do automotive exhaust polycyclic aromatic hydrocarbons compromise our health?" 2154
"The 1984 Association Lecture of the Hospital Physicists' Association. Man and his environment" 2074
"Health effects of diesel exhaust. A contemporary air pollution issue" 2116
Avian Toxicity Test
"Volatility of ten priority pollutants from fortified avian toxicity test diets" 1584
Awuatic Effects
"Ecology of organic pollutants from List 1 of the EC(European Communities) in aquatic systems" 526
Aza-PAH(s)
"5-Azacytidine potentiates initiation induced by carcinogens in rat liver" 1222
"Characterization of polycyclic organic matter (POM) from coal-fired power plants in the atmosphere and investigations of their transformation in the atmosphere" 746
"Chemical composition of tumorigenic and mutagenic fractions of two coal liquids. ORNL/TM-8680" 31
"Detection of specific nitrogen-containing compounds by room temperature phosphorescence" 1
"Determination of basic nitrogen-containing polycyclic aromatic compounds (azaarenes) in petroleum and petroleum products" 652
"Hydrocarbon and azaarene markers of coal transport to aquatic sediments" 239
"Mobilization of azaarenes from wastewater treatment plant biosludge" 2200
"Multidisciplinary approach to identify, characterize and minimize, potential health and environmental problems associated with chemically complex mixtures: A case study" 648
"On-line pre-concentration and liquid chromatography of azaarenes using nitroaromatic sorbents" 141
"Polycyclic aromatic hydrocarbons and azaarenes in environmental specimens" 319
"Polynuclear azaarenes in wood preservative wastewater" . 560
"Practical evaluation and fundamental studies of surface-enhanced Raman spectroscopy for monitoring organic chemicals. Annual report for the period ending December 31, 1984" 133
"Structure-activity correlations of selected azaarenes, aromatic amines, and nitroaromatics" 1841
"Sunlight photolysis rates of selected neutral azaarenes in aqueous coal-oil systems" 449
"Two-stage coal liquefaction process materials from the Wilsonville facility operated in the nonintegrated and integrated modes: Chemical analyses and biological testing" 713

B Lymphocytes
"Induction of sister-chromatid exchange (SCE) and cell-cycle inhibition in mouse peripheral blood B lymphocytes exposed to mutagenic carcinogens in vivo" .. 1464
Baboon Blood Lymphocytes
"Measurement of viability and aryl hydrocarbon hydroxylase activity in cryopreserved baboon peripheral blood lymphocytes and pulmonary alveolar macrophages" .. 972
Baboons
"Activation of cigarette smoke components to mutagens in V79 cells by pulmonary aveolar macrophages (PAMS) lavaged from sham- puffing and cigarette-smoking baboons" 1567
"Pulmonary activation of carcinogens by baboons" 1568
Bacteria
"Activity and distribution of phenanthrene-degrading bacteria in the Great Bay Estuary,NH" 322
"Biological effects of dyes on bacteria 6. Mutation induction by acridine orange and methylene blue in the dark with special reference to Eschericia-coli WP-6-POLA-1" 1972
"Biooxidation of 9,10-dihydroanthracene by a mixed bacterial population" 468
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
"Mutascreen, an automated bacterial mutagenicity assay" . 1267
"Numerical taxonomy of phenanthrene-degrading bacteria isolated from the Chesapeake Bay" 536
"Possible involvement of a vicinal non-bay-region dihydrodiolepoxide in the activation of dibenzo(a,e)fluoranthene into bacterial mutagens" 1554
"Role of bacteria in removal of benzo(a)pyrene from byproduct coking industry wastewater" 2208
Bacterial Assay
"The SOS Chromotest, a colorimetric bacterial assay for genotoxins: validation study with 83 compounds" 1753
Bacterial DNA Repair Test
"Genotoxic activity and potency of 135 compounds in the Ames reversion test and in a bacterial DNA-repair test" . 1213
Bacterial Enzymes
"Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes" 1083
Bacterial Metabolism
"Bacterial metabolism of benz(a)anthracene" 965

Bacterial Mutagenicity
"Isolation, identification and bacterial mutagenicity of 2-nitro-9-fluorenone from diesel-exhaust particle extracts" 1094
"The orientation of the nitro substituent predicts the direct-acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons" 1285
"Mutagenicity studies of P-substituted benzyl derivatives in the AMES salmonella plate-incorporation assay" 1080
Bacterial Oxidation
"Bacterial oxidation of the polycyclic aromatic hydrocarbons acenaphthene and acenaphthylene" 480
Bacterial Plasmids
"Survival and mutagenesis of bacterial plasmids with localized carcinogen adducts" 1164
Bacterial Tester Strains
"Three consistent patterns of response to substituted acridines in a variety of bacterial tester strains used for mutagenicity testing" 1272
Bacteriophage T-7
"Repair of benzo(a)pyrene diol epoxide damaged bacteriophage T-7 DNA determined by survival of phage made by in-vitro packaging" 1027
Bacteroides-fragilis
"Metabolic activation of polycyclic aromatic hydrocarbons by human colonic mucosa and bacteroides-fragilis" 1918
Bakery Ovens
"Purity of atmospheric emissions of bakery and pastry ovens using gas fuel" 759
BALB-C-3T3
"Recommended protocol for Balb-C-3T3 cell transformation assay" 1069
BALB/3T3 Cells
"Chemical carcinogen-mediated decreases in DNA 5-methylcytosine content of BALB/3T3 cells" 1992
BALB/3T3 Clone A31-1-1
"Induction of malignant transformation by various chemicals in Balb/3T3 clone A31-1-1 cells and biological characterization of some transformants" 1284
BALB/c Mouse
"Effect of route of administration on macromolecular binding of benzo(a)pyrene in SENCAR and BALB/c mice" 1632
"Distribution and macromolecular binding of benzo[a]pyrene in SENCAR and BALB/c mice following topical and oral administration" 1633
"Epidermal benzo[a]pyrene metabolism and DNA-binding in Balb/C mice: inhibition by ellagic acid" 1637

BALB/c Mouse (cont)
"Ellagic acid (EA) inhibits epidermal benzo(a)pyrene (BP) metabolism and 3-methylcholanthrene (MCA) skin carcinogenicity in BALB/c mice" 1638
"1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice" 1932
BALB/c Mouse Keratinocytes
"Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes" 1640
Barbecue Briquettes
"Polycyclic aromatic hydrocarbons in barbecue briquets" . 709
Bay Region
"Relative roles of K region and bay region towards determining the carcinogenic potencies of polycyclic aromatic hydrocarbons" 1618
"High stereoselectivity among the optical isomers of the diastereomeric bay-region diol-epoxides of benz(a)anthracene in the expression of tumorigenic activity in murine tumor models" 1520
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"The bay region theory of polycyclic aromatic hydrocarbon carcinogenesis" 1512
"Effect of methylation on the conformer stability and reactivity of the bay-region diol-epoxides of chrysene" . 1868
"Study of the carcinogenic mechanism for polycyclic aromatic hydrocarbons - extended bay region theory and its quantitative model" 2013
Bay Region Diol Epoxides
"Effects of a 6 fluorosubstituent on the metabolism of benzo(a) pyrene 7 8 dihydrodiol to bay-region diol epoxides by rat liver enzymes" 1019
Beijerinckia
"Phenanthrene degradation by Beijerinckia sp. B8/36" 1018
Beijing Roast Duck
"Determination of benzo(a)pyrene in Beijing roast duck and roast lamb" 829
Benthic Organisms
"Bioavailability and biotransformation of aromatic hydrocarbons in benthic organisms exposed to sediment from an urban estuary" 529
"A sediment quality triad: measures of sediment contamination, toxicity and infaunal community composition in Puget Sound (Washington, USA)" 392
"Heavy metals and polycyclic hydrocarbon compounds in benthic organisms of the Upper Gulf of Thailand" 341

Benz(a)anthracene
"A method for assaying aryl hydrocarbon hydroxylase in man using fibroblasts cultured in vitro from oral mucosa" 1097
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
"Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17" 955
"Aryl hydrocarbon hydroxylase inducibility among primary relatives of children with leukemia or solid tumors" 1521
"Bacterial metabolism of benz(a)anthracene" 965
"Benz(a)anthracene" 2036
"Benzo(e)pyrene-induced alterations in the metabolic activation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by hamster embryo cells" 1077
"Comparative quantitative study of nuclei and nucleoli in cultures of control mouse fibroblasts and transformed fibroblasts using silver nucleolus organizer region staining and scanning microscopy with detection ofretrodiffusable electrons" 1020
"Comparative kinetics of oral benz(a)anthracene, chrysene and triphenylene in rats: study with hydrocarbon mixtures" 1091
"Cyclopenta-fused isomers of benz(a)anthracene II: Mutagenic effects on mammalian cells" 1666
"Cyclopenta-fused isomers of benz(a)anthracene identification of major microsomal metabolites" 1823
"Cytochrome P-450-catalyzed stereoselective epoxidation at the K region of benz(a)anthracene and benzo(a)pyrene" 2014
"Direct resolution of mono- and diol enantiomers of unsubstituted and methyl-substituted benz(a)anthracene and benzo(a)pyrene by high-performance liquid chromatography with a chiral stationary phase" 223
"Environmental pollutants and their mutagenic activity: an analog model for structure-effect relations" 1474
"Evidence that the first step leading to carcinogen-induced malignant transformation is a high frequency common event" 1448
"High stereoselectivity among the optical isomers of the diastereomeric bay-region diol-epoxides of benz(a)anthracene in the expression of tumorigenic activity in murine tumor models" 1520
"Immission measurements in densely populated and industrialized areas. Results of measurements in the Erft district and in the southern part of the Neuss district in 1983" 691
"In vivo metabolism of benz(a)anthracene by the polychaete Nereis virens" 1585
"Induction of cytochrome P-448 in cultured fetal rat hepatocytes by benz(a)anthracene and dexamethasone" 1572

Benz(a)anthracene (cont)
"Isolating fly ash adsorbed benz(a)anthracene-14 C and benzo(a)pyrene-14 C using liquid extraction" 584
"Land treatment of contaminated sludge with wastewater irrigation" 2183
"Local lymph node morphology during hamster cheek pouch carcinogenesis" 1186
"Measurement of viability and aryl hydrocarbon hydroxylase activity in cryopreserved baboon peripheral blood lymphocytes and pulmonary alveolar macrophages" .. 972
"Metabolic activation pathways of cyclopenta-fused PAH (polycyclic aromatic hydrocarbons) and their relationship to genetic and carcinogenic activity" 1660
"Monooxygenase induction by various xenobiotics and its influence on the rat liver microsomal metabolite profile of benz[a]anthracene" 924
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high- pressure liquid chromatography fractions from wood smoke particle extracts" 1436
"Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites" 1662
"Opposite stereoselectivity of cytochrome P-448 in catalyzing the formation of benz(a)anthracene and 7,12-dimethylbenz(a)anthracene K-region epoxides" 1647
"Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(a)anthracene on the deposit feeding polychaete Nereis virens" 971
"Pollution transport from a highway" 725
"Preliminary study on organic pollutants in the tap water of a certain city in Hunan Province" 550
"Products obtained during combustion of polymers under simulated incinerator conditions. III. Poly(vinyl chloride)" 671
"Products obtained during combustion of polymers under simulated incinerator conditions. II. Polystyrene" 670
"Reaction of benz(a)anthracene under plasma irradiation and the mutageneity of its products" 2016
"Reproducibility of microbial mutagenicity assays 1. Tests with Salmonella-typhimurium and Escherichia-coli using a standardized protocol" 1244
"Studies on cytochrome P-450 induced by benz(a)anthracene in mouse skin microsomes" 1405
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
"The presence of the mutagenic polycyclic aromatic hydrocarbons benzo(a)pyrene and benz(a)anthracene in creosote P1" 588

Benz(a)anthracene (cont)
"The influence of 18 environmentally relevant polycyclic aromatic hydrocarbons and Clophen A50, as liver monooxygenase inducers, on the mutagenic activity of benz[a]anthracene in the Ames test" 1678
"Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 967
"Tumor producing activity of dithranol anthralin and 2 of its 10 acyl analogs in the dorsal skin of female NMRI rats" 1557
Benz(e)aceanthrylene
"Mouse skin tumor-initiating activity of benz[e]aceanthrylene and benz[l]aceanthrylene in SENCAR mice" 1661
Benz(j)fluoranthene
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high- pressure liquid chromatography fractions from wood smoke particle extracts" 1436
Benz(l)aceanthrylene
"Mouse skin tumor-initiating activity of benz[e]aceanthrylene and benz[l]aceanthrylene in SENCAR mice" 1661
Benzamide
"Preferential binding of benzo(a)pyrene diol epoxide to the linker DNA of human foreskin fibroblasts in S phase in the presence of benzamide" 1486
Benzanthracene
"A method for assaying aryl hydrocarbon hydroxylase in man using fibroblasts cultured in vitro from oral mucosa" 1097
"Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17" 955
"Assimilation and metabolism of polycyclic aromatic hydrocarbons by vegetation: An approach to this controversial issue and suggestions for future research" 284
"Cell cycle-dependent aryl hydrocarbon hydroxylase activity of epidermal cells in-vitro" 1021
"Chemical transformation of polycyclic aromatic hydrocarbons vapour-adsorbed on coal stack ash" 822
"Chemical reactivity of polycyclic organic compounds adsorbed on coal fly ash and related solid surfaces. Progress report" 798
"Comparison of aryl hydrocarbon hydroxylase and acetanilide 4-hydroxylase induction by polycyclic aromatic compounds in human and mouse cell lines" 1416
"Differential induction of various carboxylesterases by certain polycyclic aromatic hydrocarbons in the rat" 1680

Benzanthracene (cont)
"DNA modification by chemical carcinogens" 1420
"Effects of ellipticine, flavone, and 7,8-benzoflavone upon 7,12-dimethylbenz[a]anthracene, 7,14-dimethyldibenzo[a,h]anthracene and dibenzo[a,h]anthracene initiated skin tumors in mice" ... 1058
"Identification and quantification of a messenger ribonucleic acid induced by polynuclear aromatic hydrocarbons--using a cloned human cytochrome P-450 gene" 935
"Metabolism of xenobiotics in the human adrenal gland" .. 1706
"Microbial metabolism of polycyclic aromatic hydrocarbons" 865
"Microsome-mediated reactions of phenols of polycyclic hydrocarbons with DNA." 912
"Photochemical degradation of polycyclic aromatic hydrocarbons (PAH) in real and laboratory conditions" ... 524
"Photolytic and partitioning behaviour of polynyclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 448
"Preparation and characterization of dinitroperylenes" .. 142
"Round robin investigation of organic compounds in aqueous leachates of solid wastes: Application to H-coal filter cake leachates" 571
"Short-term bioassays of nitro derivatives of benzo[a]pyrene and perylene" 1541
"Somatic cell and molecular genetics approach to DNA repair and mutagenesis. ERDA/560301" 1930
"Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture" .. 969
"The phototoxicity of benzo[a]pyrene in the green alga Selenastrum capricornutum" 1179
"The binding of polycyclic aromatic hydrocarbon diol-epoxides to DNA" 1789
"Time-resolved fluorescence anisotropies of diphenylhexatriene and perylene in solvents and lipid bilayers obtained from multifrequency phase-modulation fluorometry" 117
Benzo(a)pyrene
"12-O-Tetradecanoylphorbol-13-acetate promotion of carcinogen-treated rat liver endothelial cells" 1373
"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417
"32P-postlabeling assay of transplacental DNA damage induced by safrole, 4-aminobiphenyl, benzo(a)pyrene and dibenzo(c,g)carbazole in fetal mouse tissues" 1546
"A comparison of the DNA intercalative binding of bay versus K region metabolites of benzo[a]pyrene" 840

Benzo(a)pyrene (cont)
"A comparison of the intercalative binding of non-reactive benzo[a]pyrene metabolites and metabolite model compounds to DNA" 839
"A new approach to the identification of sources of airborne mutagens and carcinogens: receptor source apportionment modeling" 610
"A preliminary study on the preservability of benzo(a)pyrene in stored atmospheric particulate matter samples" 6
"A mechanism for the stereoselectivity and binding of benzo(a)pyrene diol epoxides to DNA" 1607
"A reliable, efficient, microinjection apparatus and methodology for the in vivo exposure of rainbow trout and salmon embryos to chemical carcinogens" 1110
"A new mechanism of benzo(a)pyrene activation for binding to DNA in Wistar rat embryo cells" 1749
"A historical perspective of chemical carcinogenesis" ... 1855
"A comparative study of the metabolism of 6-methylbenzo(a)pyrene and benzo(a)pyrene by rat liver microsomes" 1332
"A family of epidermoid lung cancer models" 1103
"A model of bronchogenic carcinoma in the Golden Syrian hamster" 1076
"A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems" 1923
"Aberrant activation of benzo(a)pyrene in cultured rat mammary cells in vitro and following direct application to rat mammary glands in vivo" 1737
"Absence of mutagenic activity of benzo(a)pyrene in the soybean test system" 1287
"Absorption of benzo(a)pyrene by corn roots and its accumulation in the plants" 534
"Accumulation of benzo(a)pyrene in fish" 1032
"Activating and detoxifying metabolism of benzo(a)pyrene in the isolated perfused rat lung" 1433
"Activation of different transforming genes in Balb-3T3 cell lines transformed by the same chemical carcinogen benzo(a)pyrene" 857
"Activation of benzo(a)pyrene by mitochondria in the mouse liver" 1751
"Activation of c-Ha-ras-1 proto-oncogene by in vitro modification with a chemical carcinogen, benzo(a)pyrene diol-epoxide" 1566
"Activities of drug-metabolizing enzymes in isolated gamma glutamyl transpeptidase positive prenoplastic hepatocytes from carcinogen treated rats" 1508
"Adduct formation in hemoglobin of the newborn mouse exposed in utero to benzo[a]pyrene" 1004
"Adrenal mediation of the effects of acute ethanol on benzo(a)pyrene metabolism" 1114

Benzo(a)pyrene (cont)
"Adrenal mediation of ethanol's inhibition of benzo[a]pyrene metabolism" 1115
"Air pollutant emissions, concentrations, and exposures from biomass combustion: the cigarette analogy" 783
"Air pollution in the operation of boilers" 817
"Air pollution implications of increasing residential firewood use" 720
"Air quality in polluted areas and far from emitters" ... 354
"Air emission risk assessment model: benzo(a)pyrene and arsenic emissions from the Mt. Tom Power Plant" 2225
"Air pollution and lung cancer" 2108
"Alkylation of hemoglobin in mouse after exposure to benzo(a)pyrene" 1858
"Alterations in patterns of excretion and other metabolic functions in developing fish embryos exposed to benzo(a)pyrene" 1471
"Alterations in benzo(a)pyrene metabolism in skin and liver after hexachlorobenzene exposure" 1596
"Altered drug and xenobiotic metabolism by an ectopic pituitary tumor" 1497
"Ambient total suspended particulate matter and benzo(a)pyrene concentrations from residential wood combustion in a mountain resort community" 421
"An applied synchronous fluorescence spectrophotometric assay to study benzo(a)pyrenediol epoxide-DNA adducts" .. 197
"Analogous patterns of benzo[a]pyrene metabolism in human and rodent cells" 1848
"Analysis of organic and mineral constituents of fly ash from the Gardanne coal-fired power station" 737
"Analysis of trace ammounts of benzo(a)pyrene and its metabolites in urine by high-performance liquid chromatography" 1571
"Animal studies and prediction of human tumors can be aided by graphical sorting of animal data: neoplastic risk from B(a)P, benzene, benzidine, and chromium" 1425
"Antibodies to benzo(a)pyrene and their use in immunoassays ERDA/550200" 1644
"Antimutagenic activity of fermented milk" 1763
"Antimutagenic activity of some naturally occurring compounds towards cigarette-smoke condensate and benzo[a]pyrene in the Salmonella/microsome assay" 1927
"Application of chiral high-performance liquid chromatography to the separation of structurally similar nitro-polycyclic aromatic hydrocarbons" 38
"Application of HPLC to the isolation of molecular targets in dosimetry studies" 1079
"Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung" 983

Benzo(a)pyrene (cont)
"Arachidonic acid-dependent cooxidation. A potential pathway for the activation of chemical carcinogens in vivo" 945
"Aryl hydrocarbon hydroxylase induction in rat pulmonary alveolar macrophages (PAMs) by diesel particulates and their extracts" 874
"Aryl hydrocarbon hydroxylase, epoxide hydrolase, and benzo(a)pyrene metabolism in human epidermis: comparative studies in normal subjects and patients with psoriasis" 2048
"Asbestos and benzo[a]pyrene act synergistically to induce squamous metaplasia and incorporation of [3H]thymidine in hamster tracheal epithelium" 1635
"Assay of 7 compounds for promoting potential on the development of gamma glutamyl transpeptidase-positive liver cell foci in the rat" 986
"Assessment of the direct effect of 3,4-benzpyrene on organ cultures from the bronchi of patients presenting chronic bronchitis and pulmonary carcinoma" 1951
"Bacterial assessment of coal tar mutagenicity" 1981
"Balb-C-3T3 cell transformation response to extracts of organic air samples as seen by their survival in aggregate form" 2028
"Benz(a)pyrene input and occurrence in a marine area affected by refinery effluent" 695
"Benzo(a)pyrene content of smoked meat products" 826
"Benzo(a)pyrene in smoked fished" 724
"Benzo(a)pyrene in atmosphere" 555
"Benzo(a)pyrene in Estonian curative muds" 362
"Benzo(a)pyrene in New Jersey USA results from a twenty-seven-site study" 327
"Benzo(a)pyrene activation to 7,8-dihydrodiol 9,10-oxide by rat liver microsomes. Control by selective product inhibition" 938
"Benzo(a)pyrene metabolism in hepatic microsomes from feral and 3-methycholanthrene-treated southern flounder, Paralichthys lethostigma" 960
"Benzo(a)pyrene effects on macromolecular synthesis in synchronous Scenedesmus-quadricauda" 1040
"Benzo(a)pyrene-initiated inhibition of DNA repair is due to inactivation of DNA polymerase alpha" 1144
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Benzo(a)pyrene:DNA adduct formation in early-passage Wistar rat embryo cell cultures: evidence for multiple pathways of activation of benzo(a)pyrene" 1750
"Benzo(a)pyrene inhibits ovulation in C57BL/6N mice" 1902
"Benzo(a)pyrene uptake from micellar solutions by everted rat intestinal sacs" 1815

Benzo(a)pyrene (cont)
"Benzo(a)pyrene and gamma-radiation-induced genetic damage in mice can be prevented by gamma-linolenic acid but not by arachidonic acid" 1202
"Benzo(a)pyrene and 6-nitrobenzo(a)pyrene metabolism in human and rodent microsomes and tissue culture" 1850
"Benzo(a)pyrene-induced genetic damage in mice can be prevented by evening primrose oil" 1203
"Benzo(a)pyrene metabolism in hepatic microsomes from female DA rats with a genetic sparteine oxidation deficiency" 1832
"Benzo(a)pyrene-DNA adduct formation and removal in mouse epidermis in vivo and in vitro: relationship of DNA binding to initiation of skin carcinogenesis" 1651
"Benzo(a)pyrene" 2039
"Benzo(a)pyrene uptake by serum lipids: correlation with triglyceride concentration" 2019
"Benzo(a)pyrene content of the human lung in relation to various environmental factors" 2052
"Benzo(a)pyrene metabolism in mouse liver association of both 7,8-epoxidation and covalent binding of a metabolite of the 7,8 with the Ah locus" 1953
"Benzo(a)pyrene in human lungs in relation to certain environmental factors" 2112
"Benzo(a)pyrene diol epoxide-DNA adducts detected by synchronous fluorescence spectrophotometry" 2161
"Benzo(e)pyrene-induced alterations in the metabolic activation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by hamster embryo cells" 1077
"Benzo(e)pyrene induced alterations in the binding of benzo(a)pyrene to DNA in hamster embryo cell cultures" .. 1877
"Benzo[a]pyrene metabolism and DNA adduct formation mediated by English sole liver enzymes" 1673
"Benzo[a]pyrene-induced DNA damage in mouse fetal tissues" 1116
"Benzo[a]pyrene uptake by lymph: a possible transport mode for immunosuppressive chemicals." 1145
"Benzo[a]pyrene metabolism in human T 47D mammary tumor cells: evidence for sulfate conjugation and translocation of reactive metabolites across cell membranes" 1600
"Benzo[a]pyrene metabolism in marine fish and some analytical aspects of its metabolites" 998
"Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay" 1844
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
"Binding of benzo[a]pyrene to different chromatin domains following activation at the nuclear membrane" ... 1682

Benzo(a)pyrene (cont)
"Binding of benzo(a)pyrene to DNA in normal and vitamin A deficient rats" 890
"Binding of benzo[a]pyrene by purified cytochrome P-450c" 1562
"Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols" 1695
"Binding of benzo(a)pyrene to the cellular macromolecules of mouse embryonic fibroblasts in primary culture" 1526
"Binding of benzo(a)pyrene to rat lung glutathione S-transferases in vivo" 1871
"Binding of benzo(a)pyrene to regions of DNA with different concentrations of active and inactive genes" .. 977
"Binding and metabolism of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by seven purified forms of cytochrome P 450" 1991
"Bioavailability and biotransformation of aromatic hydrocarbons in benthic organisms exposed to sediment from an urban estuary" 529
"Biochemical studies of the tracheobranchial epithelium" 1570
"Biochemistry, physiology and drug metabolism--implications regarding the role of the lungs in drug disposition" 1798
"Biological effects of fibers Stantons hypothesis revisited" 1245
"Biomass fuel combustion and health" 2060
"Biotransformation of aromatics: metabolic conversion of nitrogen-containing derivatives of benzo(a)pyrene" 1023
"Biotransformation of benzo(a)pyrene and covalent binding to hepatic DNA in benthic fishes" 1028
"Brain microsomal enzyme mediated covalent binding of benzo[a]pyrene to DNA" 886
"Carcinogen-binding proteins. High-affinity binding sites for benzo[a]pyrene in mouse liver distinct from the Ah receptor" 879
"Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3- methylcholanthrene" 1766
"Carcinogenic-mutagenic chemicals induced chromosomal aberrations in the kidney cells of three cyprinids" 1052
"Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route" 1736
"Carotenoids prevention of carcinogenesis and photo carcinogenesis by benzo(a)pyrene and 8 methoxy psoralen" 1825
"Catalytic activity of cytochrome P-448 in native and reconstituted microsomal membranes" 1326
"Catalytic properties of cytochrome P 450 in hepatopancreas of the spiny lobster, Panulirus argus" ... 925
"Cell culture studies of the mechanism of action of chemical carcinogens and tumor promoters" 1974

Benzo(a)pyrene (cont)
"Cellular processing of carcinogen DNA adducts" 1327
"Cellular uptake and intracellular localization of benzo(a)pyrene by digital fluorescence imaging microscopy" 1743
"Changes in some biophysical indexes with intratracheal administration of different doses of benzo(a)pyrene and their criterial significance" 1042
"Characteristic of the sites of benzo(a)pyrene binding with lysosomal membranes" 1939
"Characterization of organic compounds on airborne particles" 264
"Characterization of cytochrome P-450-dependent promutagen activation in two species of marine fish" 964
"Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth" 1730
"Characterization of mutagenic glucuronide formation from benzo(a)pyrene in the nonrecirculating perfused rat liver" 1441
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129
"Coassimilation of dietary fat and benzo(a)pyrene in the small intestine: an absorption model using the killifish" 1958
"Cocarcinogenic and tumor promoting properties of asbestos and other minerals in tracheobronchial epithelium" 1634
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
"Comparative benzo[a]pyrene metabolite patterns in fish and rodents" 974
"Comparative study on the carcinogenicity of N-nitrosodiethylamine and benzo(a)pyrene to the lung of Syrian golden hamsters induced by intermittent instillations to the trachea" 2011
"Comparison of six different reversed-phase HPLC columns used to separate benzo(a)pyrene metabolites" 190
"Comparison of three methods for separation and determination of benzo(a)pyrene" 36
"Comparison of benzo[a]pyrene-DNA adduct levels in mouse and rat epidermis and dermis" 1793
"Comparison of effect of chronic ethanol consumption by Syrian hamsters on liver metabolism and mutagenicity of benzo(a)pyrene and N-nitrosopyrrolidine" 1218

Benzo(a)pyrene (cont)
"Comparison of genotoxic effects of environmental carcinogens in hepatocytes from mouse, rat, hamster, and human" 1394
"Concentration, separation and determination of hydrocarbons in seawater" 47
"Conformations of adducts and kinetics of binding to DNA of the optically pure enantiomers of anti benzo a pyrene diol epoxide" 1302
"Conjugation of benzo(a)pyrene with glutathione in epithelial and fibroblastoid cell lines" 1190
"Contribution of rat lung and liver in-vivo to benzo(a)pyrene elimination at low concentrations" 1281
"Control of pollutant emission from diesel engine vehicles by fuel modification (Part 4). Effect of fuel composition on the emission of benzo(a)pyrene" 750
"Control and cell differentiation and cell transformation in-vitro by phorbol-12-myristate-13-acetate and 1-Alpha 25 dihydroxyvitamin D-3" 1400
"Conversion of linoleic-acid hydroperoxide to hydroxy keto epoxyhydroxy and trihydroxy fatty-acids by hematin" 889
"Correlation between levels of hepatic DNA binding and biliary glutathion conjugates of benzo(a)pyrene intermediates in English sole" 1030
"Correlations among atmospheric elements, airborne particulate matter, benzene extracts, benzo(a)pyrene, nitric oxide, nitrogen dioxide, and sulfur dioxide concentrations in Japan" 300
"Covalent binding of benzo[a]pyrene to cytochrome P-450 beta NF-B2 and other proteins in reconstituted mixed-function oxidase systems" 1831
"Covalent binding of dextro and levo benzo(a)pyrene-anti-diolepoxide to B and Z forms of double-stranded polydeoxyguanylate- deoxycytidylate and double-stranded polydeoxyguanylate-5-methyldeoxycytidylate" 1170
"Covalent binding of BP-metabolites to DNA of cultured human hair follicle keratinocytes" 921
"Covalent binding of benzo(a)pyrenediol epoxides to polynucleotides" 1169
"Covalent binding of benzo(a)pyrene in perfused rat lung following systemic and intratracheal administration" 898
"Criterional significance of immunological characteristics in the evaluation of the effect of various doses of benzo(a)pyrene" 1043
"Cyclodextrin bonded phases for the liquid chromatographic separation of optical geometrical and structural isomers" 12
"Cytochrome P-450-catalyzed stereoselective epoxidation at the K region of benz(a)anthracene and benzo(a)pyrene" 2014

Benzo(a)pyrene (cont)
"Cytotoxic and mutagenic effects of specific carcinogen-DNA adducts in diploid human fibroblasts" 1581
"Cytotoxicity of benzo(a)pyrene diol epoxide is associated with premature arrest of nascent strand elongation in serum-stimulated monkey kidney cells" 1937
"Cytotoxicity/genotoxicity: the application of cell culture techniques to the measurement of marine sediment pollution" 1473
"Decreased placental monooxygenase activities associated with birth defects" 1556
"Depurination of benzo(a)pyrene-diolepoxide treated DNA" 1703
"Detection of benzo(a)pyrene diol epoxide-DNA adducts by synchronous fluorescence spectrophotometry and ultrasensetive enzymatic radioimmunoassay in coke oven workers" 198
"Detection of benzo(a)pyrene:DNA adducts in human white blood cells" 172
"Detection of benzo[a]pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in serum from coke oven workers" 2087
"Detection of benzo(a)pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in sera from coke oven workers" 2157
"Detection of antibodies to benzo(a)pyrene diol epoxide DNA adducts following occupational exposure to benzo(a)pyrene" 2121
"Determination of benzo(a)pyrene in Beijing roast duck and roast lamb" 829
"Determination of the total polycyclic aromatic hydrocarbons and benzo(a)pyrenes in smoky air in meat factories" 730
"Determination of benzo(a)pyrene in surface water in some regions of the world's oceans" 520
"Determination of benzo(a)pyrene in rice" 505
"Determination of benzo(a)pyrene in soil" 506
"Determination of metabolites of xenobiotics in the bile of fish from polluted waterways" 944
"Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system" 1677
"Developmental control of the xenobiotic metabolizing enzyme system in the chick embryo" 1333
"Differences in the binding of the stereoisomeric benzo(a)pyrene-7 8-diol 9 10-epoxides to histones in rat liver nuclei" 1489
"Differences in pulmonary metabolism of benzo(a)pyrene in inbred mouse strains, using the isolated perfused lung" 1873
"Differential activities of rat and human lung glutathione S-transferase isoenzymes towards benzo(a)pyrene epoxides" 846

Benzo(a)pyrene (cont)
"Differential regulation of 2 microsomal epoxide hydrolases in hyperplastic nodules from rat liver" 853
"Differential alteration of benzo(a)pyrene metabolism in skin and liver by hexachlorobenzene" 1598
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Differential induction of sister-chromatid exchanges by benzo[a]pyrene in variant mouse hepatoma cells." 1829
"Differential immunotoxic effects of the environmental chemical benzo[a]pyrene in young and aged mice" 1549
"Direct resolution of mono- and diol enantiomers of unsubstituted and methyl-substituted benz(a)anthracene and benzo(a)pyrene by high-performance liquid chromatography with a chiral stationary phase" 223
"Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene" 1983
"Discrimination of structurally similar carcinogen noncarcinogen analogs by analysis of sister chromatid exchange in-vivo in bone marrow and intestinal epithelium of Chinese hamsters" 1655
"Distribution and microbial oxidation of carcinogenic hydrocarbons (as illustrated by benzo(a)pyrene) in some regions of the World's Oceans" 516
"Distribution and microbial degradation of the carcinogenic hydrocarbon benzo(a)pyrene in open waters of the Baltic Sea" 515
"Distribution of formaldehyde, mercury, and benzo(a)pyrene in ambient air in Kagawa Prefecture" 372
"Distribution and macromolecular binding of benzo[a]pyrene in SENCAR and BALB/c mice following topical and oral administration" 1633
"Distribution of organic soluble, sulfate, glucuronide and glutathione conjugates of benzo(a)pyrene (BaP) metabolites in human mammary tumor T 47D cells" 1602
"DNA damage by benzo[a]pyrene in the liver of mosquito fish Gambusia affinis" 852
"DNA strand breaks and replication inhibition by benzo(a)pyrene in mammalian cells" 1707
"DNA modification by chemical carcinogens" 1420
"DNA repair and replication in human fibroblasts treated with racemic R-7 T-8 dihydroxy-T-9 10-epoxy-7 8 9 10-tetrahydrobenzo(a)pyrene" 1444
"Dog pulmonary macrophage metabolism of free and particle-associated 14C-benzo(a)pyrene" 1117
"Dose dependent activation of rat small intestinal monooxygenase-activity towards benzo(a)pyrene and 7-ethoxycoumarin after oral pretreatment with cimetidine" 1123

Benzo(a)pyrene (cont)
"Drug-nutrient interactions and their implications for safety evaluations" 2214
"Dual-label high-performance liquid chromatographic assay for femtomole levels of benzo[a]pyrene metabolites" 135
"Early cytokinetic and morphological response of rat lungs to inhaled benzo(a)pyrene, gallium oxide, and sulfur dioxide" 1001
"Early changes in T cells of progeny and mothers insulted with benzo(a)pyrene during midgestation" 1950
"Effect of fuel combustion conditions in the modern thermal electric power plants on atmospheric air pollution by benzo(a)pyrene and nitrogen oxides" 572
"Effect of thermally treated wastewater sediment and compost from it on the content of benz(a)pyrene and N-nitroso compounds in the soil and in potatoes" 574
"Effect of highway runoff on lake water quality" 646
"Effect of acute benzo(a)pyrene exposure on pulmonary defense mechanisms in the mouse" 1834
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo[a]pyrene, 2- aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture" 1860
"Effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver nuclei" 1814
"Effect of some phenols on the level of benzo(a)pyrene-induced gene mutations and carcinogenesis" 1714
"Effect of route of administration on macromolecular binding of benzo(a)pyrene in SENCAR and BALB/c mice" 1632
"Effect of dietary clofibrate on epoxide hydrolase activity in tissues of mice" 1544
"Effect of ellagic acid and hydroxylated flavonoids on the tumorigenicity of benzo[a]pyrene and racemic-7-beta, 8-alpha dihydroxy-9- alpha, 10-alpha-epoxy-7 8 9 10-tetrahydrobenzo-a-pyrene on mouse skin and in thenewborn mouse" 1166
"Effect of ellagic acid and hydroxylated flavonoids on the tumorigenicity of benzo(a)pyrene (BP) and (+ or -) - 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydro enz o(a)pyrene (BP diol epoxide" 1396
"Effect of antioxidants on the carcinogenic and mutagenic activity of benzo(a)pyrene" 1461
"Effect of benzo(a)pyrene and its metabolites on the production of active oxygen species by rat leukocytes" .. 1283
"Effect of induction by DDT on metabolism and mutagenicity of benzo[a]pyrene" 1121

Benzo(a)pyrene (cont)
"Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action" 1199
"Effect of particulates on metabolism and mutagenicity of benzo[a]pyrene." 1105
"Effect of immunization with tularemia vaccine on 3,4-benz(a)pyrene induced blastomogenesis and mutagenesis in rats" 1658
"Effect of intratracheally instilled benzo(a)pyrene on the pulmonary and hepatic drug-metabolizing enzymes in normal and vitamin A deficient rats" 891
"Effect of benzo(a)pyrene treatment of neonatal and growing rats on steroid receptor binding capacity in adulthood" 881
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
"Effect of DNA conformation on the binding of antibodies to benzo(a)pyrene diol-epoxide DNA adducts" 1874
"Effect of vitamin A deficiency on pulmonary and hepatic in vitro metabolism of benzo(a)pyrene in rat" 892
"Effect of DNA repair on transfection activity of phi-X-174 RF DNA modified with carcinogen and noncarcinogenic benzo(a)pyrenediol epoxide isomers" 1917
"Effect of red ginseng on natural killer cell activity in mice with lung adenoma induced by urethane and benzo(a)pyrene" 2021
"Effect of thiamin deprivation on the in vitro metabolic activation of benzo(a)pyrene" 1959
"Effects of dietary fats and butylated hydroxytoluene on mutagen activation in rats" 1747
"Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes" 1904
"Effects of chlorinated dibenzofuran and dioxin on concentration and pattern of chlorobiphenyls and activity of benzo(a)pyrene hydroxylation in mice" 1648
"Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin" 1593
"Effects of cucurbitacin B and peonol on the metabolism of benzo(a)pyrene in the microsome of rat liver" 1388
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338
"Effects of pyrene or benzo(a)pyrene on the mutagenicity of trinitrochlorobenzene or tetranitrocarbazole" 1315
"Effects of some environmental agents on the elimination kinetics of theophylline" 1131
"Effects of organoselenium compounds on induction of mouse forestomach tumors by benzo(a)pyrene" 1254

Benzo(a)pyrene (cont)
"Effects of inhaled ammonium sulfate on benzo[a]pyrene carcinogenesis" 1308
"Effects of a 6 fluorosubstituent on the metabolism of benzo(a) pyrene 7 8 dihydrodiol to bay-region diol epoxides by rat liver enzymes" 1019
"Effects of chronic ethanol consumption on benzo(a)pyrene metabolism and glutathione S-transferase activities in Syrian golden hamster cheek pouch and liver" 981
"Effects of acetylenic and olefinic pyrenes upon cytochrome P-450 dependent benzo(a)pyrene hydroxylase activity in liver microsomes" 901
"Effects of arachidonic acid and indomethacin on sister-chromatid exchange induction by polycyclic aromatic hydrocarbons in mammalian cell lines" 1047
"Effects of methyl and fluoro substitution on the metabolic activation and carcinogenicity of polycyclic aromatic hydrocarbons" 1358
"Effects of some mycotoxins and synthetic genotoxic substances on the embryonic and larval development of Brachydanio rerio" 1208
"Effects of various organic solvent vehicles on benzo(a)pyrene metabolism in rabbit lung microsomes" 943
"Effects of environmental and experimental inductive factors on the mixed-function oxidase activities of toads" 875
"Effects of dietary fats and butylated hydroxytoluene (BHT) on hepatic activation of benzo(a)pyrene, 2-acetylaminofluorene and 2- aminofluorene" 1746
"Effects of 5-azacytidine on the progressive nature of cell transformation" 920
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Effects of ingestion of Hibernia and Prudhoe Bay crude oils on hepatic and renal mixed-function oxidase in nestling herring gulls (Larus-argentatus)" 954
"Effects of benzo(a)pyrene metabolites from rat liver S9 fraction on sister chromatid exchange frequency of human lymphocytes" 2005
"Elimination and repair of lesions induced by benzo(a)pyrene in the DNA of human embryo pulmonary fibroblasts (ICP-23 cell line)" 1957
"Ellagic acid (EA) inhibits epidermal benzo(a)pyrene (BP) metabolism and 3-methylcholanthrene (MCA) skin carcinogenicity in BALB/c mice" 1638
"Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes" 1640

Benzo(a)pyrene (cont)
"Ellagic acid inhibits the binding of benzo(a)pyrene metabolites to DNA in cultured human bronchial tissues" . 1922
"Embryotoxicity of benzo(a)pyrene and some of its synthetic derivatives in Swiss mice" 1088
"Enhanced formation of benzo(a)pyrene:DNA adducts in monocytes of patients with a presumed predisposition to lung cancer" 1802
"Enhanced formation of benzo(a)pyrene-DNA adducts in monocytes of patients with a presumed genetic risk for lung cancer" 1681
"Enhanced adenovirus SA-7 transformation in a continuous line of rat embryo cells pretreated with diverse chemicals" 1354
"Enterohepatic circulation of benzo(a)pyrene-4 5-oxide in the rat" 1263
"Environmental pollutants and their mutagenic activity: an analog model for structure-effect relations" 1474
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
"Epidermal benzo[a]pyrene metabolism and DNA-binding in Balb/C mice: inhibition by ellagic acid" 1637
"Epidermal hepatocellular and cholangiocellular carcinomas in brown bullheads Ictalurus-nebulosus from industrially polluted Black River Ohio USA" 1344
"Estimation of benz(a)pyrene levels in flue gases from fuel oil-burning boilers" 640
"Evaluation of benzo(a)pyrene discharge from boilers fired with briquets" 830
"Evaluation of polycyclic aromatic hydrocarbon contents of vegetable oils" 429
"Evaluation of Escherichia-coli K-12 343-113 and derived strains for microbial mutagenicity analysis" 1517
"Evaluation of the carcinogenic action of chemical substances in humans" 1453
"Evaluation of the level of exposure to aromatic polycyclic hydrocarbons during electrode production" 2072
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
"Evidence that the first step leading to carcinogen-induced malignant transformation is a high frequency common event" 1448
"Evidence for microwave carcinogenesis in vitro" 1078
"Evolution and cancer" 1152
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of the skin and hemoglobin of red blood cells" 1859
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of skin and hemoglobin of red blood cells" 1861
"Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase." . 946

Benzo(a)pyrene (cont)
"Excretion of 3-hydroxy-benzo(a)pyrene and mutagenicity in rat urine after exposure to benzo(a)pyrene" 1428
"Experience and prospects for research on chemical carcinogens in the environment" 486
"Experimental study of antimutagenic activity of 5-methylresorcinol" 1712
"Experimental lung cancer induced by chemical carcinogens and immunity" 1376
"Experimental ovarian toxicity following intraovarian injection of benzo(a)pyrene or its metabolites in mice and rats" 1915
"Experimental ovarian toxicity following intraovarian injection of benzo(a)pyrene or its metabolites in mice and rats" 1915
"Exposure of the hamster alimentary tract to benzo(a)pyrene metabolites produced in the nose" 884
"Exposure of two species of deposit-feeding amphipods to sediment-associated (3H)benzo(a)pyrene: uptake, metabolism and covalent binding to tissue macromolecules" 1777
"Factors affecting the acid phosphatase activity of lysosomal membranes" 1940
"Fast, transient DNA damage by benzo(a)pyrene" 915
"Fast, transient DNA damage by benzo(a)pyrene" 1044
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 1754
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 995
"Fate of benzo(a)pyrene in the digestive tract. 2. Appearance of metabolites" 1050
"Fibroblasts from Franconis anemia patients are abnormally sensetive to the 7 8 diol 9 10 epoxide of benzo(a)pyrene but not to UV radiation" 2113
"Flow cytometric measurement of the metabolism of benzo(a)pyrene by mouse liver cells in culture" 1090
"Fluoranthene and pyrene enhance benzo[a]pyrene--DNA adduct formation in vivo in mouse skin" 1786
"Fluorescence measurements of DNA-bound metabolites of benzo(a)pyrene derivatives with different carcinogenic effects" 1317
"For some chemical genetic risks based on tests other than germ-cell mutagenicity in the whole mammal may be exaggerated" 1803
"Foreign-substance (xenobiotica) metabolism in the skin and human hair bulbs" 1597
"Formation of benzo(a)pyrene and nitrogen oxides in grain dryer burners" 595
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435

Benzo(a)pyrene (cont)
"Formation of DNA modifications by chemical carcinogens. Identification, localization and quantification" 114
"Formation and persistence of benzo(a)pyrene metabolite-DNA adducts" 1894
"Formation of mutagenic products of benzo(a)pyrene mediated by lipid peroxidation" 1590
"Formation and persistence of DNA, RNA, and protein adducts in mouse skin exposed to pure optical enantiomers of 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9, 10-tetrahydrobenzo(a)pyrene in vivo" 1723
"Formation of benzo(alpha)pyrene metabolites and DNA adducts catalyzed by a rat liver mitochondrial monooxygenase system" 1672
"Formation of benzo(a)pyrene-3 6-quinol monoglucuronide and diglucuronide in rat liver microsomes" 1528
"Formation and removal of benzo[a]pyrene metabolites--DNA adducts in cultured normal human fibroblasts using a microsome-activating system" 1438
"Formation and disappearance of benzo[a]pyrene DNA-adducts in mouse epidermis" 1227
"Generation of benzo(a)pyrene-tagged aerosols" 160
"Genetic variation in cytochrome P-450 and xenobiotic metabolism in Drosophila-melanogaster" 1331
"Genetic targets in multistage carcinogenesis" 1297
"Genetic factors in lung cancer" 2135
"Genetics of susceptibility of mice to inhibition of interferon induction by benzo-(a)-pyrene" 1309
"Genotoxicity of selected priority pollutants to fish and mammalian cells in culture" 1884
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772
"Glutathione as an inhibitor of chromosomal breakage induced by 7- 12-dimethylbenz(a)anthracene benzo(a)pyrene cyclophosphamide and mitomycin C assessed by the in-vivo bone marrow micronucleus test" .. 1758
"Growth-dependent synthesis of C-MYC-encoded proteins early stimulation by serum factors in synchronized mouse 3T3 cells" 992
"H.p.l.c. of benzo[a]pyrene glucuronide, sulfate and glutathione conjugates and water-soluble metabolites from hamster embryo fibroblasts" 1601
"Health effects of diesel exhaust. A contemporary air pollution issue" 2116
"Health and environmental protection in hot-smoking of small cooked sausages" 2120

Benzo(a)pyrene (cont)
"Hematin-catalyzed epoxidation of 7-8-dihydroxy-7 8-dihydrobenzo(a)pyrene by polyunsaturated fatty-acid hydroperoxides" 888
"Hepatocarcinogenicity of benzo[a]pyrene to rainbow trout by dietary exposure and intraperitoneal injection" 1370
"Hereditary interindividual differences in the glutathione transferase activity towards trans stilbene oxide in resting human mononuclear leukocytes are due to a particular isozyme" 1000
"Hexachlorobenzene in selected marine samples: An environmental perspective" 447
"Histogenesis of benzo(a)pyrene-induced lesions in tracheal explants" 877
"Histologic and skeletal abnormalities in benzo(a)pyrene-treated rainbow trout alevins" 917
"Hormonal regulation of benzo[a]pyrene metabolism in human adrenocortical cell cultures" 1386
"Host-mediated mutagenicity experiments with benzo[a]pyrene and two of its metabolites" 1307
"Human endometrial cell-mediated mutagenesis of Chinese hamster V79 cells by metabolism of benzo(a)pyrene" 1290
"Human P1-450 gene sequence and correlation of mRNA with genetic differences in benzo[a]pyrene metabolism" 1415
"Hydroperoxide-dependent oxygenation of polycyclic aromatic hydrocarbons and their metabolites" 1565
"Identification of benzo[a]pyrene quinone in soybean leaves" 476
"Identification of the 11,12-dihydro-11,12-dihydroxybenzo(a)pyrene as a major metabolite produced by the green alga, Selenastrum capricornutum" 958
"Immission and emission measurement of carcinogenic substances" 594
"Immission measurements in densely populated and industrialized areas. Results of measurements in the Erft district and in the southern part of the Neuss district in 1983" 691
"Immune competence and tumor susceptibility in various strains of mice following benzo(a)pyrene administration" 1113
"Immunochemical examinations of cytochrome P-450 in various tissues of human fetuses using antibodies to human fetal cytochrome P- 450 P-450 HFLA" 2103
"Immunotoxicology" 1606
"Impairment of xenobiotic metabolism in skin of mice chronically exposed to UV B radiation" 1201
"Importance of the route of administration for genetic differences in benzo[a]pyrene-induced in utero toxicity and teratogenicity" 1511
"In vivo binding of benzo(a)pyrene to glutathione S-transferases of rat lung" 1872

Benzo(a)pyrene (cont)
"In vitro transformation of rat pleural mesothelial cells by chrysotile fibres and/or benzo[a]pyrene" 1715
"In vivo metabolism of topically applied benzo[a]pyrene-4,5-oxide in neonatal rat skin" 1214
"In-vitro transformation of rat pleural mesothelial cell cultures by benzo(a)pyrene" 1716
"In-vitro systems to study organ and species differences in the metabolic activation of chemical carcinogens" 1494
"In-vitro studies of normal and carcinogen-treated oral epithelium" 1988
"In-vivo metabolism of topically applied benzo(a)pyrene 4 5 oxide in neonatal rat skin" 1216
"In-vivo distribution of benzo(a)pyrene in male rats" ... 1038
"In-vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs" 1911
"Increased sensitivity and enhanced tranformation by formaldehyde on hamster embryo cells pretreated with benzo(a)pyrene" 1352
"Increases in benzo(a)pyrene metabolism and cytochrome P-4506 content in alveolar type II cells isolated from tetrachlorodibenzo- dioxin treated rabbits" 1226
"Individual variation in benzo(a)pyrene metabolism and its role in human cancer" 2083
"Indole-3-carbinol protects against covalent binding of benzo[a]pyrene and N-nitrosodimethylamine metabolites to mouse liver macromolecules" 1852
"Indoor air quality in Bombay, India with respect to respirable particulates, benzo(a)pyrene & sulfates" 278
"Inducibility of human hair follicle carcinogen metabolism by a coal tar containing-shampoo" 1641
"Induction of sister chromatid exchange by benzo(a)pyrene in primary lung culture" 1401
"Induction of alkaline-labile sites in DNA by benzo [a]pyrene and the repair of those lesions in cultured Chinese hamster cells" 1685
"Induction of cell damage by menadione and benzo(a)pyrene-3 6-quinones in cultures of adult rat hepatocytes and human fibroblasts" 1631
"Induction of microsomal cytochromes in the rat liver after intravenous administration of emulsions of perfluoro-organic compounds" 1683
"Induction of transformation and continuous cell lines from normal human mammary epithelial cells after exposure to benzo[a]pyrene" 1885
"Induction of cytodifferentiation in C3H/10T1/2 mouse embryo cells by X-irradiation and benzo(a)pyrene" 1328
"Induction of sister-chromatid exchange (SCE) and cell-cycle inhibition in mouse peripheral blood B lymphocytes exposed to mutagenic carcinogens in vivo" .. 1464

Benzo(a)pyrene (cont)
"Induction of rabbit hepatic microsomal cytochrome P-450 by imidazole: enhanced metabolic activity and altered substrate specificity" 1445
"Induction of histo compatibitity gene mutations in germ cells of mice by chemical mutagens and-or virus inducing compounds" 1339
"Induction of epoxide hydrolase in cultured rat hepatocytes and hepatoma cell lines" 1770
"Induction of MFO in mullet liver microsomes: Effect of NADPH on benzo(a)pyrene metabolite distribution at 25 and 37 degree C" 999
"Induction of colon cancer in inbred Syrian hamsters by intrarectal administration of benzo(a)pyrene, 3-methylcholanthrene and N- methyl-N-nitrosourea" 1963
"Influence of chlordecone and mirex on benzo(a)pyrene metabolism" 1189
"Influence of phagocytosis of benzo(a)pyrene (BaP) coated ferric oxide (Fesub 2Osub 3) on benzo(a)pyrene metabolism by pulmonary alveolar macrophages (PAM)" 1319
"Influence of routes of substrate administration on covalent binding and metabolism of benzo(a)pyrene in perfused rat lung" 1280
"Influence of inducers on biotransformation" 1800
"Inhibition of human lymphocyte function in vitro by polycyclic aromatic hydrocarbons" 1745
"Inhibition of binding of benzo(a)pyrene to DNA by 7,8-benzoflavone in organ cultures of human bronchus" ... 1569
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
"Inhibition of the covalent bond of benzo(a)pyrene to epidermal proteins by indomethacin" 1305
"Inhibition of the uptake of benzo[a]pyrene in cells by polyamines" 1481
"Inhibition of benzo(a)pyrene and benzo(a)pyrene-trans-7,8-diol metabolism and DNA binding in mouse lung explants by ellagic acid" 1232
"Inhibition of DNA synthesis by an electrophilic metabolite of benzo[a]pyrene" 863
"Inhibition of benzo(a)pyrene-induced mouse forestomach tumorigenesis by organoselenium compounds" 1255
"Inhibition of the mutagenic activity of some heterocyclic dietary carcinogens and other mutagenic/carcinogenic compounds by rat organ preparations" 1149
"Inhibition of DNA methyltransferases in-vitro by benzo(a)pyrene diol epoxide-modified substances" 1995
"Inhibition of chemical carcinogenesis by 2,5-DI-O-acetyl-D-glucaro-1,4:6,3-dilactone" 1960
"Inhibition by plant phenols of benzo(a)pyrene-induced nuclear aberrations in mammalian intestinal cells: A rapid in-vivo assessment method" 1966

Benzo(a)pyrene (cont)
"Inhibitory effects of the phorbolester TPA and cigarette smoke condensate on the mutagenicity of benzo[a]pyrene in a co-cultivation system" 1426
"Initiation of chemical carcinogenesis and the asprin-like drugs" 1728
"Interaction between nontransforming retroviruses and chemicals in cells in-vitro association with progression to neoplastic phenotypes" 1897
"Interaction between yeast cytochrome P-450 and chemical carcinogens" 939
"Interactions of benzo(a)pyrene diol-epoxides with linear and supercoiled DNA" 1550
"Interactions of an ultimate carcinogen, (+ or -)-7r,8t dihdroxy-9t,10t-oxy-7,8,9,10-tetrahydrobenzo(a)pyrene (BPDE-I), with purified rat liver chromatin" 1236
"Interindividual differences in benzo(a)pyrene activation by lymphocytes, monocytes, and human skin as an indication of potential risk" 1827
"Interindividual differences in the metabolism of xenobiotics" 1181
"Interrelationships of cholesterol and hydrocarbon metabolism in the shore crab, Carcinus-maenas" 985
"Intervention of the digestive flora in the degradation of benzo(a)pyrene" 1755
"Investigation on the carcinogenicity of emission condensate from brown coal-fired residential furnaces applied to mouse skin" 1224
"Investigation of absorption, metabolism kinetics and DNA-binding of intratracheally administered benzo[a]pyrene in the isolated, perfused rat lung: a comparative study between microcrystalline and particulate adsorbedbenzo[a]pyrene" 1934
"Involvement of cytochrome b5 in the hepatic microsomal metabolism of benzo(a)pyrene" 1219
"Irregularity of pollution by cancerogenic substances of the ecosystem of the Baltic Sea" 321
"Isolating fly ash adsorbed benz(a)anthracene-14 C and benzo(a)pyrene-14 C using liquid extraction" 584
"Isolation of nuclear fractions from human fetal tissues ultrastucture and presence of epoxide hydrolase and aryl hydrocarbon hydroxylase" 1704
"Isolation and characterization of benzo(a)pyrene metabolites formed in vivo by juvenile and adult English Sole" 1031
"Isolation and characterization of rat liver cytosolic aldehyde dehydrogenases induced by phenanthrene or benzo[a]pyrene" 1935
"Kinetics of benzo(a)pyrene penetration into the skin of mice under the influence of different phenols" 1853
"Kinetics of benzo(a)pyrene penetration into the mouse skin after treatment with various phenols" 1854

Benzo(a)pyrene (cont)
"Kinetics of inhibition of in vitro interferon-alpha/beta production after benzo-(a)-pyrene exposure" 1311
"Life span of benzo(a)pyrene in soil after multiple applications with soil dust particles" 489
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in fish and shellfish" 503
"Local application to mouse skin as a carcinogen specific test system for non-volatile nitroso compounds" 1225
"Long-term growth of normal human mammary epithelial cells and establishement of partially transformed cell lines" 1886
"Long-term inhalation study with benzo(a)pyrene and SO2 in Syrian golden hamsters" 1720
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"Mammalian cell mutation and polycyclic hydrocarbon carcinogenesis" 1134
"Mechanism based inhibition of benzo(a)pyrene hydroxylase by aryl acetylenes" 842
"Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of.alpha.-human chorionic gonadotropin-specific mRNA sequences and benzo(a)pyrene-induced hypomethylation" ... 1998
"Mechanism of benzo(a)pyrene induction of alpha-human chorionic gonadotropin gene expression in human lung tumor cells" 1997
"Mechanisms of reaction of benzo(a)pyrene-7 8-diol-9 10-epoxide with DNA in aqueous solutions" 1300
"Mechanisms of interaction of polycyclic aromatic diolexpoxides with DNA and structures of the adducts" ... 1299
"Mechanisms of multistage chemical carcinogenesis and their relevance to respiratory tract cancer" 1975
"Mechanisms of initiation and promotion in mouse epidermis" 2022
"Metabolic activation of polycyclic aromatic hydrocarbons by fish liver cytochrome P-450" 841
"Metabolic mechanisms of long-term effects of environmental chemical factors - carcinogneic, embryotic, gonadotoxic, mutagenic and gerontologic effects" 1599
"Metabolic activation of procarcinogens to genotoxic products in cultured rat liver cells" 1645
"Metabolic activation of benzo(a)pyrene 7 8 dihydrodiol and benzo(a)pyrene 7 8 dihydrodiol 9 10 epoxide to protein binding products and the inhibitory effect of glutathione and cysteine" 1422

Benzo(a)pyrene (cont)
"Metabolic activation and inactivation of benzo(a)pyrene in GMK (green monkey kidney) primary culture cells. Characterization of enzyme activities with the use of inhibitors" 975
"Metabolism of benzo[a]pyrene by cultured rat and human buccal mucosa cells" 1074
"Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis" 1193
"Metabolism of benzo(a)pyrene by green algae" 936
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767
"Metabolism of benzo(a)pyrene by variant mouse hepatoma cells" 1830
"Metabolism of benzo(a)pyrene in rat pleural mesothelial cells in culture" 1865
"Metabolism of benzo[a]pyrene by cultured human hepatocytes from multiple donors" 1625
"Metabolism of foreign substances in human skin and hair follicles" 1595
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
"Metabolism and specific benzopyrene metabolite modification of DNA in early S by human lung epithelial and fibroblast cells leading to the expression of an abnormal phenotype" 1610
"Metabolism of benzo(a)pyrene-7 8 dihydrodiol and benzo(a)pyrene-7 8 dihydrodiol 9 10-epoxide to protein binding products and glutathione conjugates in isolated rat hepatocytes" 1423
"Metabolism and urinary excretion of mutagenic metabolites of benzo[a]pyrene in C57 and DBA mice strains" 1153
"Metabolism of benzo(a)pyrene by cytochrome P-450, form 6, in rabbit lung" 1239
"Metabolism of benzo[a]pyrene by mouse brain microsomes during perinatal development" 1799
"Metabolism and enterohepatic circulation of benzo(a)pyrene-4 5-epoxide in the rat" 1262
"Metabolism of benzo(a)pyrene and excretion of metabolites by control rats and rats given pretreatment with enzyme inducers, phenobarbital and 3-methylcholanthrene" 1964
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216

Benzo(a)pyrene (cont)
"Method for the determination of low levels(10-11 g/l) of benzo(a)pyrene in raw water supply by derivative spectrofluorometry after sorption with Amberlite XAD-4 resin" 134
"Microbial metabolism of polycyclic aromatic hydrocarbons" 865
"Micronuclear induction in mammalian somatic cells in combined exposure to benzo(a)pyrene and hexachlorocyclohexane" 1711
"Micronuclei in red blood cells of the newt Pleurodeles waltl after treatment with benzo(a)pyrene: dependence on dose, length of exposure, posttreatment time, and uptake of the drug" 1325
"Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo(a)pyrene and 3,3- dimethyl-1-phenyltriazene" 1392
"Mixed-function oxidases in fish their role in adaptation to pollution" 948
"Modification of glutathione levels in C-3H-10-T-1-2 cells and its relationship to benzo(a)pyrene anti-7 8 dihydrodiol-9 10-epoxide induced cytotoxicity" 1378
"Modifications of microsomal and nuclear fractions by butylated hydroxyanisole and its effect on benzo(a)pyrene metabolites binding to macromolecules" .. 1221
"Modifying influences of betel quid ingredients on B(a)P-induced carcinogenesis in the buccal pouch of hamster" 1762
"Modifying effect of dietary fat on benzo[a]pyrene-induced respiratory tract tumors in hamsters" 1096
"Modifying effect of vitamin A on benzo[a]pyrene-induced respiratory tract tumours in hamsters" 1095
"Modulation of benzo(a)pyrene metabolism by dietary sulfur amino acids" 1980
"Modulatory effect of glucose-6-phosphate dehydrogenase deficiency on benzo(a)pyrene toxicity and transforming activity for in vitro-cultured human skin fibroblasts" . 1270
"Modulatory mechanisms of chemical carcinogenesis: the role of the NADPH pool in the benzo(a)pyrene activation" 1271
"Molecular studies of chemical carcinogenesis" 1266
"Molecular characterization of oncogenes in guinea-pig lines chemically initiated in-vitro acquisition of tumorigenicity is associated with activated Ras related oncogenes" 1240
"Multimedia transport of particle-bound organics: benzo(a)pyrene test case" 473
"Multiple exposure to carcinogens and promoters in an open-ended flow-through tracheal implant model" 1561
"Multiplicative effect of inhaled plutonium oxide and benzo(a)pyrene on lung carcinogenesis in rats" 1603

Benzo(a)pyrene (cont)
"Multistage carcinogenesis involves multiple genes and mutiple mechanisms" 1976
"Multistep malignant transformation of mammalian cells by carcinogens induction of immortality as a key event" . 1670
"Murine strain differences in ovotoxicity following intraovarian injection with benzo(a)pyrene, (+)-(7R,8S)-oxide, (-)-(7R,8R)- dihydrodiol, or (+)-(7R,8S)-diol-(9S,10R)-epoxide-2" 1914
"Mutagen formation by the photochemical reaction of polycyclic aromatic hydrocarbons with nitrogen oxides" .. 335
"Mutagenic activity of air samples from the towns of Lodz and Zgierz (Poland)" 1903
"Mutagenicity and benzo(a)pyrene contents in soils in Sendai City Japan influences of particulate substances produced by studded tires of automobiles" 796
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particulates in Tokyo Japan and Beijing China" 428
"Mutagenicity of algal metabolites of benzo(a)pyrene for Salmonella typhimurium" 1835
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particles in Tokyo Japan and Beijing China" 1675
"Mutagenicity and benzo(a)pyrene contents in soils in Tokyo (Japan)" 1674
"Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite" 1691
"Mutagenicity of smoked, dried bonito products." 1450
"Mutagenicity of quinones pathways of metabolic activation and detoxification" 1173
"Mutagenicity and chemical characterization of two petroleum distillates" 1159
"Mutagens in smoked dried Bonito Katsuobushi" 1451
"Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleoside modification by stereoisomeric benzo(a)pyrene 7,8-diol-9,10-epoxides" 1142
"Neonatal chlordecone alteration of the ontogeny of sex-differentiated hepatic drug and xenobiotic metabolizing enzymes" 1498
"Neoplastic transformation of human diploid fibroblasts KMST-6 by treatment with cobalt-60 gamma-rays" 1652
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
"Nutritional factors in lung, colon, and prostate carcinogenesis in animal models" 1483
"Octanol-water partition coefficient of benzo(a)pyrene: measurement, calculation, and environmental implications" 395

Benzo(a)pyrene (cont)
"On the nature of the mutations induced by the diolepoxide of benzo(a)pyrene in mammalian cells" 1455
"Origin and reversibility of malignancy" 1804
"Oxidation of persistent environmental pollutants by a white rot fungus" 2179
"Oxidation of benzo(a)pyrene and 7,8-dihydro-7, 8-dihydroxybenzo(a)pyrene by horseradish peroxidase-hydrogen peroxide intermediate: fluorometric study" 2009
"Oxidative losses of anthracene acenaphthylene and benzo(a)pyrene during florisil and silica gel cleanup using diethyl ether containing peroxides" 124
"Oxygen consumption rates of grunion (Leuresthes tenuis) embryos exposed to the petroleum hydrocarbon, benzo[a]pyrene" 918
"Part of technological processes in the occurrence of benzo[a]pyrene in foods" 2032
"Patterns of benzo[a]pyrene metabolism by varied species, organs, and developmental stages of fish" 1015
"Percutaneous absorption of [7.10-14C]benzo[a]pyrene and [7,12-14C]dimethylbenz[a]anthracene in mice" 1820
"Permissible concentrations of dangerous substances in the air of the workplace" 2212
"Persistence of BaP:DNA and BaP:protein adducts in mouse and rat skin" 1792
"Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice" 1484
"Persistence of DNA adducts of 7 8 dihydroxy-9 10-oxy-7 8 9 10- tetrahydrobenzo(a)pyrene in lymphocytes of nonsmokers smokers and patients with bronchial carcinoma" 1072
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Petroleum distillates suppress in vitro metabolic activation: higher [S-9] required in the Salmonella/microsome mutagenicity assay" 1160
"Phenolic bioantioxidants as effective inhibitors of benzo(a)pyrene induced mutagenesis in mammals" 1709
"Photochemical transformation of pyrene and benzo(a)pyrene vapor-deposited on eight coal stack ashes" 833
"Photochemical degradation of polycyclic aromatic hydrocarbons (PAH) in real and laboratory conditions" ... 524
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Placental transfer of benzo(a)pyrene and induction of aryl hydrocarbon hydroxylase in rat and mouse embryos" .. 1668
"Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary benzo[a]pyrene or 1,2-dimethylhydrazine" 1065

Benzo(a)pyrene (cont)
"Plasma corticosteroid and glucose responses to pollutants in striped mullet: different effects of naphthalene, benzo(a)pyrene and cadmium exposure" 1022
"Pluronic polyol F-127 as an effective vehicle for petroleum hydrocarbons in the Salmonella and microsomal assay" 1564
"Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete Nereis virens" 900
"Polychlorinated biphenyl phenoclor DP-6 and metabolism of xenobiotics effects of a hyperlipidic diet" 1721
"Polycyclic aromatic hydrocarbon mutagenesis of human epidermal keratinocytes in culture" 1056
"Position-specific induction of benzo(a)pyrene metabolism by 3-methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish" 1837
"Possible carcinogenic hazard of the ceolite clinoptilolite" 1752
"Possible involvement of free radical lipid intermediate in hydroxylation of polycyclic hydrocarbons" 1234
"Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons" 922
"Post natal development of constitutive forms of cytochrome P-440 in liver microsomes of male and female rats" 1551
"Potential uses of sea urchin embryos for identifying toxic chemicals: description of a bioassay incorporating cytologic, cytogenetic and embryologic endpoints" 1387
"Preferential binding of benzo(a)pyrene diol epoxide to the linker DNA of human foreskin fibroblasts in S phase in the presence of benzamide" 1486
"Preimplantation genotoxic disruption of fetal development" 1403
"Presence of cytochrome P-450-dependent monooxygenase in intimal cells of the hog aorta" 838
"Preservation of benzo(a)pyrene in airborne particulate" 224
"Promotion of preneoplastic changes in liver by coal-derived organic mixtures applied to skin" 1779
"Prostaglandin endoperoxide synthetase and the activation of benzo(a)pyrene to reactive metabolites in vivo in guinea pigs" 1294
"Prostaglandins and mutagenesis: prevention and/or reversibility of genetic damage induced by benzo (a) pyrene in the bone marrow cells of mice by prostaglandin E1" 1759
"Prostaglandins and their precursors can modify genetic damage-induced by gamma-radiation and benzo(a)pyrene" ... 1204
"Protection against toxic redox cycles between benzo(a)pyrene-3 6-quinone and its quinol by 3 methylcholanthrene-inducible formation of the quinol mono and diglucuronide" 1524

Benzo(a)pyrene (cont)
"Public health basis for redistribution of chemical and biological pollutants in water" 2093
"Pulmonary retention of [14C]benzo[a]pyrene in rats as influenced by the amount instilled" 1591
"Pulmonary drug metabolizing enzymes in lung tumor bearing rats" 1238
"Purity of atmospheric emissions of bakery and pastry ovens using gas fuel" 759
"Quality of the atmosphere" 375
"Quantifying adductive modification of hemoglobin from mice exposed to benzo(a)pyrene" 1857
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo(a)pyrene" 1856
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo[a]pyrene" 1003
"Quantitation by electron microscopy of the binding of highly specific antibodies to benzo[a]pyrene-DNA adducts" 1719
"Quantitation of benzo(a)pyrene metabolite: DNA adducts in selected hepatic and pulmonary cell types isolated from [3H]benzo(a)pyrene-treated rabbits" 916
"Quantitation of exposure to benzo[a]pyrene with monoclonal antibodies" 2139
"Quantitative microspectrofluorometry and pharmacokinetics single living cells application to the study of factors influencing the kinetics of the cell detoxification system" 1817
"Quantitative evaluation of the mutagenic potential of benzo(a)pyrene treatment based on in-vitro and in-vivo tests" 1713
"Quantitative microspectrofluorimetry study of the "blocking effect" of 6-aminochrysene on benzo[a]pyrene metabolism using single living cells" 951
"Quantitative significance of glutathione and glutathione-S-transferase in regulating benzo[a]pyrene anti diol-epoxide level in reconstituted C3H/10T1/2 cell lysates, and comparison to rat liver" 913
"Rapid determination of benzo(a)pyrene in smoke from honeycomb coal briquets" 831
"Rat liver homogenate (S9)-mediated binding of benzo[alpha]pyrene to DNA in V79 cells, V79 cell nuclei and aqueous solution" 1843
"Rat and human explant metabolism, binding studies, and DNA adduct analysis of benzo(a)pyrene and its 6-nitro derivative" 1295
"Reactive metabolites of carcinogenic polycyclic hydrocarbons synthesis and trapping reaction of 9 hydroxybenzo(a)pyrene 4 5-oxide" 860
"Recovery from dispositional and pharmacodynamic tolerance after chronic phenobarbital treatment" 1694

Benzo(a)pyrene (cont)
"Regional differences in adrenocortical benzo[a]pyrene metabolism in guinea pigs" 1249
"Regiospecific and diastereoselective inactivation of mutagenic 9 10 dihydrobenzo(a)pyrene 7 8-oxide by hepatic cytosolic glutathione-s- transferase" 1971
"Regulation of 3 rabbit liver benzo(a)pyrene hydroxylases" 926
"Relation between formation of adducts to DNA, induction of DNA repair and release of DNA from cells in benzo(a)pyrene-treated human mitogen-stimulated lymphocytes. Effect of duration of culture on the conditions for assessment of unscheduled DNA synthesis 1909
"Relationship between the rate of reduction of benzo(a)pyrene-3 6-quinone and the formation of benzo(a)pyrene-3 6-quinol glucuronides in rat liver microsomes" 1529
"Relationship of histochemically detectable altered hepatocyte foci to hepatic tumorigenesis" 1731
"Relative thermochemical stabilities and reactivities of benzo(a)pyrene and selected isomers" 318
"Repair of benzo(a)pyrene diol epoxide damaged bacteriophage T-7 DNA determined by survival of phage made by in-vitro packaging" 1027
"Replication of carcinogen damaged double and single stranded DNA templates in-vitro" 1500
"Reproductive toxicity associated with endometrial cell mediated metabolism of benzo[a]pyrene: a combined in vitro, in vivo approach" 1404
"Respiratory tract tumors in hamsters after severe focal injury to the trachea and intratracheal instillation of benzo[a]pyrene" 1783
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
"Reversibility of inhibition of interferon-alpha/beta induction by benzo[a]pyrene" 1310
"Role of airborne particulate matter components on photochemical degradation of pyrene, benzoanthracene and benzo(a)pyrene. A preliminary report" 523
"Role of trace contaminants in toxic emissions from thermal electric power plants" 567
"Role of metabolism in benzo(a)pyrene carcinogenesis" ... 1849
"Role of cytochrome P-448 in 3,4-benzo(a)pyrene metabolism in inbred mouse liver microsomes, induced by different xenobiotics" 1611
"Role of glutathione S transferases detoxification of reactive metabolites of benzo(a)pyrene-7 8 dihydrodiol by conjugation with glutathione" 1372
"Role of tin on heme and drug biotransformation mechanism of partially hepatectomized rats" 1248

Benzo(a)pyrene (cont)
"Role of benzo(a)pyrene and metabolites in the induction of alpha CG gene expression in ChaGo cells" 1996
"Role of bacteria in removal of benzo(a)pyrene from byproduct coking industry wastewater" 2208
"Routine determination of polycyclic aromatic hydrocarbons in carbon black by chromatographic techniques" 229
"Screening of mutagenicity of processed foods by the use of Blue Cotton" 1452
"Seasonal variation of the xenobiotic metabolizing enzyme activities in the liver of male and female Vendace Coregonus-albula" 1533
"Secondary metabolites of benzo[a]pyrene: 3-hydroxy-trans-7,8-dihydro-7,8-dihydroxybenzo[a]pyrene, a biliary metabolite of 3- hydroxybenzo[a]pyrene in the rat" 997
"Selective induction of coumarin 7-hydroxylase by pyrazole in D-2 mice" 929
"Selectivity of negative ion chemical ionization mass spectrometry for benzo(a)pyrene" 77
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
"Selectivity in the binding of hydroxylated benzo[a]pyrene derivatives to purified cytochrome P-450c" 1945
"Selenium suppresses the metabolism of benzo[a]pyrene by rat-liver extracts, and exerts a dual effect on its mutagenicity" 1527
"Selenium modified mutagenicity and metabolism of benzo[a]pyrene in an S9-dependent system" 1925
"Separation and characterization of mononitro derivatives of benzo(a)pyrene benzo(e)pyrene and benzo(g,h,i)perylene" 97
"Separation and identification (HPLC) of some benzo(a)pyrene hydroxylated derivatives" 182
"Separation of glucuronide, sulfate, and glutathione conjugates of benzo(a)pyrene by HPLC. ERDA/560300" 130
"Sequence specific binding of tetraols of benzo(a)pyrene-diol- epoxide to DNA in neutral and acidic solutions" 1172
"Sequence specific and stereoselective covalent binding of trans-7 8 dihydroxy-anti-9 10-epoxy-7 8 9 10-tetrahydrobenzo(a) pyrene to DNA" 1171
"Serum- and plasma-dependent variations of benzo(a)pyrene-induced sister chromatid exchange in human lymphocytes" 1985
"Short-term bioassays of nitro derivatives of benzo(a)pyrene and perylene" 1537

Benzo(a)pyrene (cont)
"Short-term bioassays of nitro derivatives of benzo[a]pyrene and perylene" 1541
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administrated to rats in different amounts of dietary fat" 1495
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administered to rats in different amounts of dietary fat" 950
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888
"Simultaneous accumulations of naphthalene, a PCB mixture, and benzo(a)pyrene, by the oyster, Crassostrea virginica" 897
"Site-specific carcinogen binding to DNA in polytene chromosomes" 1491
"Size distribution of benzo(a)pyrene in airborne particulates" 384
"Skin penetration and metabolism of topically applied chemicals in six mammalian species, including man: an in vitro study with benzo[a]pyrene and testosterone" 931
"Some regularities of the distribution of benzo(a)pyrene in the tissues of fish" 1033
"Spatial and temporal distribution of chemical substances in lakes: modeling concepts" 343
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250
"Species- and length of exposure-dependent differences in the benzo(a)pyrene:DNA adducts formed in embryo cell cultures from mice, rats, and hamsters" 1845
"Specificity of cytochrome P-450 isoforms contained in endoplasmic reticulum membranes and nuclear membranes in relation to benzo(a)pyrene" 1851
"Specificity of four forms of cytochrome P 450 in the metabolic activation of several aromatic amines and benzo(a)pyrene" 2012
"Spectrofluorometric determination of benzo(a)pyrene in environmental airborne particulates and soils" 504
"Spectroscopic studies of the covalent adducts of benzo(a)pyrene-7 8-dihydrodiol 9 10-epoxides and nucleic-acids" 1318
"Stereoscopic studies of DNA complexes formed after reaction with antibenzo(a)pyrene-7, 8-dihydrodiol-9, 10-oxide enantiomers of different carcinogenic potency" 90
"Stereoselectivity of benzo(a)pyrene diol epoxides by DNA for adduct formation with N-2 on guanine" 1608
"Stereoselective covalent binding of anti-benzo(a)pyrene diol epoxide to DNA conformation of enantiomer adducts" . 1301

Benzo(a)pyrene (cont)
"Stereoselective metabolism of benzo(a)pyrene and modification of DNA mediated by sole liver enzymes" 1029
"Stereospecificity in algal oxidation of the carcinogen benzo(a)pyrene" 959
"Stimulation of the production of mutagenic phenolic benzo(a)pyrene metabolites by fasting in perfused rat liver" 1277
"Strain differences in microsomal xenobiotic metabolism by adrenocortical inner and outer zones" 1180
"Structural effects in reactivity and adduct formation of polycyclic aromatic epoxide and diol epoxide derivatives with DNA: comparison between 1-oxiranylpyrene and benzo[a]pyrenediol epoxide" 940
"Studies on emissions from coal burning stoves (sigries) as used in eastern India" 615
"Studies on correlations among air pollutants" 552
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
"Studies on chemically induced neoplastic transformation and mutation in the BALB/3T3 Cl A31-1-1 cell line in relation to the quantitative evaluation of carcinogens" 1806
"Studies of tumor promoters with the Syrian hamster embryo cell transformation assay" 1824
"Studies on the tumor initiating, tumor promoting, and tumor co-initiating properties of respiratory carcinogens" 1665
"Studies on the activities of glutathione-S-transferases and the metabolism of benzo(a)pyrene in the primary culture of mouse embryonic fibroblast" 1525
"Studies on the induction of aryl hydrocarbon(benzo[a]pyrene) hydroxylase in Neurospora crassa, and its suppression by sodium selenite" 1440
"Studies of benzo(a)pyrene carcinogenesis and DNA binding in the presence of complex mixtures" 1385
"Studies on the intercalative DNA binding of polycyclic hydrocarbon metabolic models" 1506
"Studies on activation of benzo[a]pyrene for inhibition of interferon induction" 1217
"Study of metabolism of benzo(a)pyrene in cultures of rat pleural mesothelial cells" 1866
"Subfractionation of the head and trunk kidneys of the Northern Pike (Esox Lucius)" 848
"Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene" 1949
"Survey of non-regulated pollutants in ambient air. I" . 551
"Survival and mutagenesis of bacterial plasmids with localized carcinogen adducts" 1164
"Synergism in carcinogenesis" 2131

Benzo(a)pyrene (cont)
"Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture" .. 969
"Synthesis of biologically active diol epoxide metabolites of carcinogenic polycyclic hydrocarbons" 1345
"Syrian hamster embryo cell transformation as a screening assay source of variability" 1943
"Tansforming genes from benzo(a)pyrene transformed Syrian hamster cell lines" 1741
"Temperature-dependent disposition of [14C]benzo(a)pyrene in the spiny lobster, Panulirus argus" 961
"The uptake and distribution of [3H]benzo[a]pyrene in the Northern pike (Esox lucius). Examination by whole-body autoradiography and scintillation counting" . 849
"The ratio of benzo(a)pyrene to particulate matter in smoke from prescribed burning" 825
"The effect of 3,4-benzo(a)pyrene on the photosynthetic and respiratory intensity of the green alga Scenedesmus Quadricauda" 836
"The binding of the benzo(a)pyrene metabolites to the DNA of isolated rat liver nuclei and nuclear matrix" 847
"The effect of nitrogen dioxide on the photochemical and nonphotochemical degradation of pyrene and benzo(a)pyrene adsorbed on coal fly ash" 832
"The presence of the mutagenic polycyclic aromatic hydrocarbons benzo(a)pyrene and benz(a)anthracene in creosote P1" 588
"The fate of hazardous wastes in used oil recycling" 591
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. II Laboratory studies" 446
"The levels and effects of the carcinogen benzo(a)pyrene in marine organisms from the Los Angeles Harbor" 281
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203
"The stability of mutagenic chemicals stored in solution" 188
"The generation of oxidation products of benzo(a)pyrene by lipid peroxidation" 66
"The stability of mutagenic chemicals stored in solution" 147
"The life span and osmotic fragility of erythrocytes in mice bearing benzo(a) pyrene - induced fibrosarcoma" 1769

Benzo(a)pyrene (cont)
"The role of activating and detoxifying enzymes in binding of reactive benzo(a)pyrene metabolites to DNA in microsome-mediated systems" 1836
"The homogeneity of rat liver microsomal cytochrome P-448 activity and its role in the activation of benzo[a]pyrene to mutagens" 1739
"The effects of glutathione on benzo(a)pyrene-induced cytotoxicity and mutagenicity in the CHO-HGPRT hypoxanthine-guanine phosphoribosyltransferase assay" .. 1774
"The ability of fetal liver microsomes of rats and mice to activate indirect mutagens in Salmonella mutagenicity test" 1813
"The use of the doubling dose concept with DNA-adduct dosimetry in the evaluation of short-term bioassays" 1663
"The effect of immunization with tularemia vaccine on carcinogenesis and mutagenesis induced by 3,4-benz(a)pyrene in rats" 1659
"The deposition of benzo(a)pyrene and its metabolites into fetal tissue: Influence of protein binding" 1576
"The formation of the ultimate carcinogen of benzo(a)pyrene during non-enzymic lipid peroxidation" ... 1588
"The mutagenicity of singlet oxygen activation of benzo(a)pyrene derivatives" 1604
"The effect of medroxyprogesterone acetate on the hepatic drug-metabolizing enzymes in normal and protein-deficient female rats" 1649
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
"The formation of mutagenic derivatives of benzo[a]pyrene by peroxidising fatty acids" 1589
"The effects of fractionated thermally oxidized corn oil on drug- metabolizing enzyme systems in the rat" 1732
"The effect of diethylhydroxylamine on the incidence of tumors induced by benzo(a)pyrene in the mouse" 1363
"The intercalation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene metabolites and metabolite model compounds into DNA" 1507
"The in vitro metabolism of benzo[a]pyrene by polychlorinated and polybrominated biphenyl induced rat hepatic microsomal monooxygenases" 1329
"The paradoxical effect of vitamin C on benzo[a]pyrene-induced tumors and malignancy" 1434
"The nature of persistent carcinogen chromatin damage" .. 1477
"The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation" 1399
"The effects of inducers and inhibitors on the micronucleus test with benzene benzo(a)pyrene and cyclophosphamide" 1340

Benzo(a)pyrene (cont)
"The influence of inhibitors on the repair of benzo[a]pyrene-damaged DNA in hamster tracheal epithelial cells" 1410
"The effect of vitamin A deficiency on the initiation and postinitiation phases of benzo(a)pyrene-induced lung tumorigenesis in rats" 1237
"The effects of cell cycle position on the cytotoxicity and mutagenicity of benzo(a)pyrene in cultured Chinese hamster cells" 1684
"The influence of antipain on the induction of mutations in CHO cells" 1135
"The metabolism of benzo(a)pyrene by the lungs of asbestos exposed rats" 1137
"The formation of genotoxic metabolites of benzo[a]pyrene by the isolated perfused rat liver, as detected by the bioluminescence test" 1101
"The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains" 1690
"The effect of chrysene and some polycyclic aromatic hydrocarbons on the elimination of theophylline in rats" 1132
"The phototoxicity of benzo[a]pyrene in the green alga Selenastrum capricornutum" 1179
"The effect of intraovarian injection of benzo(a)pyrene on primordial oocyte number and ovarian aryl hydrocarbon [benzo(a)pyrene] hydroxylase activity" 1002
"The inhibitory effect of 4 chemicals on experimental oral carcinogenesis" 1594
"The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N- nitroso-N-methylaniline in the Salmonella typhimurium assay" 1062
"The activation of aromatic amines in some marine invertebrates" 947
"The role of rabbit P-450 1 and related enzymes in the metabolism of benzo(a)pyrene" 909
"The generation of oxidation products of benzo(a)pyrene by lipid peroxidation a study using Alpha irradiation" .. 907
"The induction and inhibition of benzo(a)pyrene metabolism in human epidermal keratinocytes and dermal fibroblasts" 882
"The properties of highly purified cytochrome P-448 and its dependent activity benzo(a)pyrene hydroxylase from saccharomyces- cerevisiae" 941
"The properties of highly purified cytochrome P-448 and its dependent activity benzo(a)pyrene hydroxylase from saccharomyces-cerevisiae" 941
"The effect of low boiling mineral oil fractions on the metabolism and genotoxic activity of benzo(a)pyrene" 1944

Benzo(a)pyrene (cont)
"The observation of sister chromatid exchange frequencies in the workers of long term exposure to chemical carcinogens in cancer research laboratory" 2107
"The relationship between serum triglyceride concentration and benzo(a)pyrene uptake by serum lipoproteins" 2018
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
"The 1984 Association Lecture of the Hospital Physicists' Association. Man and his environment" 2074
"The effects of a cocarcinogen, ferric oxide, on the metabolism of benzo(a)pyrene in the isolated perfused lung" 1968
"The binding of benzo(a)pyrene metabolites to chromosomal subfractions" 1936
"The effect of paraquat on the mutagenicity of benzo(a)pyrene" 1973
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 967
"Toxicokinetics and metabolism of benz(a)pyrene in the Black Sea Mussels and its accumulation in the mussel body" 2024
"Toxicokinetics and metabolism of benzo(a)pyrene in the Black Sea mussel" 2026
"Toxicokinetics and metabolism of benz(a)pyrene in Black Sea mussels accumulation of matter in the body of the mollusk" 2025
"Toxicokinetics of benzo(a)pyrene in rats following intratracheal installation" 1979
"Transformation and characterization of bovine endothelial cells after in vitro treatment with benzo(a)pyrene" 908
"Transient DNA lesions induced by benzo[a]pyrene in Chinese hamster ovary cells" 1111
"Transport of benzo(a)pyrene into animal organs following the feeding of activated sludge from swine manure" 896

Benzo(a)pyrene (cont)
"Tumorigenicity of fluoranthene in a newborn mouse lung adenoma bioassay" 1147
"Ubiquitous binding of benzo[a]pyrene metabolites to DNA and protein in tissues of the mouse and rabbit" 1893
"Uptake and excretion of benzo(a)pyrene by trout embryos and sac fry" 1472
"Urinary excretion of 3-hydroxy-benzo[a]pyrene after percutaneous penetration and oral absorption of benzo[a]pyrene in rats" 928
"Use of human blood cells in vitro for testing of chemicals for genotoxicity" 1794
"Use of the micronuclear test as a rapid method for detection of potential blastomogenicity of asbestos-containing and other mineral fibers" 1955
"Validating a simplified determination of benzo(a)pyrene in particulate matter from prescribed forestry burning" . 824
"Vapor-phase sampling of organic compounds" 98
"Variability of benzo(a)pyrene activation in mouse embryo cell cultures" 1828
"Variations among untreated rabbits in benzo(a)pyrene metabolism and its modulation by 7,8-benzoflavone" 1768
"Vitamin A status and metabolism of benzo[a]pyrene in the rat" 1355
"Vitamin K1 as a modulator of benzo(a)pyrene metabolism as measured by in vitro metabolite formation and in vivo DNA-adduct formation" 1412
"Xenobiotic metabolism in the maternal-placental-fetal unit: implications for fetal toxicity" 1722
"Xenobiotic metabolism and mutation in a human lymphoblastoid cell line" 1187
"Xenobiotic and endobiotic induction of mixed function monooxygenases in carp Cyprinus-carpio" 1005
"Xenobiotic metabolism in individual rabbit hepatocytes" 968
"Polycyclic aromatic hydrocarbon binding macromolecules. Identification, characterization and temperature activation of a 4.5 S binding nucleoprotein" 1864
Benzo(b)fluoranthene
"A new approach to the identification of sources of airborne mutagens and carcinogens: receptor source apportionment modeling" 610
"A study of chemical carcinogenesis. 75. Synthesis of methylated benzo(b)fluoranthenes and benzo(k)fluoranthenes" 9
"A study of chemical carcinogenesis. 84. Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" 7
"A study of chemical carcinogenesis. 57. Synthesis and mutagenicity of dihydrodiol metabolites of benzo(b)fluoranthene" 1061

Benzo(b)fluoranthene (cont)
"Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes" 1059
"Products obtained during combustion of polymers under simulated incinerator conditions. I. Polyethylene" 669
"Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" .. 8
Benzo(e)pyrene
"Benzo(e)pyrene induced alterations in the stereoselectivity of activation of 7-12-dimethylbenz(a)anthracene to DNA-binding metabolites in hamster embryo cell cultures" 1879
"Benzo(e)pyrene-induced alterations in the binding of 7,12-dimethylbenz(a)anthracene to DNA in hamster embryo cell cultures" 1878
"Benzo(e)pyrene induced alterations in the binding of benzo(a)pyrene to DNA in hamster embryo cell cultures" .. 1877
"Benzo(e)pyrene-induced alterations in the metabolic activation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by hamster embryo cells" 1077
"Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene" 1983
"Ecology of organic pollutants from List 1 of the EC(European Communities) in aquatic systems" 526
"Pollution transport from a highway" 725
"Separation and characterization of mononitro derivatives of benzo(a)pyrene benzo(e)pyrene and benzo(g,h,i)perylene" 97
Benzo(ghi)perylene
"A new approach to the identification of sources of airborne mutagens and carcinogens: receptor source apportionment modeling" 610
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
"Benzo(ghi)perylene" 2038
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particles in Tokyo Japan and Beijing China" 1675
"Pollution transport from a highway" 725
"Products obtained during combustion of polymers under simulated incinerator conditions. III. Poly(vinyl chloride)" 671
"Separation and characterization of mononitro derivatives of benzo(a)pyrene benzo(e)pyrene and benzo(g,h,i)perylene" 97
Benzo(j)fluoranthene
"Products obtained during combustion of polymers under simulated incinerator conditions. II. Polystyrene" 670

Benzo(k)fluoranthene
"A study of chemical carcinogenesis. 75. Synthesis of methylated benzo(b)fluoranthenes and benzo(k)fluoranthenes 9
"Benzo(k)fluoranthene" 2037
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high- pressure liquid chromatography fractions from wood smoke particle extracts" 1436
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particulates in Tokyo Japan and Beijing China" 428
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particles in Tokyo Japan and Beijing China" 1675
"Mutagenicity and tumor initiating activity of methylated benzo[k] fluoranthenes" 1060
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
Benzoanthracene
"Role of airborne particulate matter components on photochemical degradation of pyrene, benzoanthracene and benzo(a)pyrene. A preliminary report" 523
Benzofluoranthene
"Contained dredged material for open ocean disposal" 2180
Benzopyrene
"A transforming ras gene in tumorigenic guinea pig cell lines initiated by diverse chemical carcinogens" 1899
"A multisample apparatus for kinetic evaluation of skin penetration in vitro: the influence of viability and metabolic status of the skin" 1381
"A comparative study on the disposition of 3 aromatic hydrocarbons in flounder Platichthys-flesus" 1010
"Activation of chemical carcinogens by cultured human fetal liver, esophagus and stomach" 1073
"Altered patterns of cutaneous xenobiotic metabolism in UVB-induced squamous cell carcinoma in SKH-1 hairless mice" 1200
"Binding of environmental carcinogens to asbestos and mineral fibres" 666
"Bladder cancer in the aluminum industry" 2155
"Chemical reactivity of polycyclic organic compounds adsorbed on coal fly ash and related solid surfaces. Progress report" 798
"Chemical reactivities and mutagenicities of a series of chloromethylbenzo[a]pyrenes" 1516
"Chemical carcinogenesis: benzopyrene system" 1519
"Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon" 1639

Benzopyrene (cont)
"Contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of gasoline engine exhaust condensate evaluated by implantation into the lungs of rats" 1322
"Detection of the metabolism of polycyclic aromatic hydrocarbon derivatives to ultimate carcinogens during lipid peroxidation" 1231
"Determination of 23 polycyclic aromatic hydrocarbons in atmospheric particulate matter of the Paris area and photolysis by sunlight" 419
"Determination of carcinogenic synergism from the latent period" 1778
"Differential induction of various carboxylesterases by certain polycyclic aromatic hydrocarbons in the rat" 1680
"Effects of a strong and a weak carcinogen on murine alpha/beta interferon production in vivo." 1702
"Effects of HCHO and benzopyrene in a new tracheal model (rats)" 1560
"Enhancement of chemical-carcinogen-induced cell transformation in hamster embryo cells by 1 alpha,25-dihydroxycholecalciferol, the biologically active metabolite of vitamin D3" 927
"Immune cell changes after benzopyrene insult in utero (mice, rabbits)" 1948
"In vitro analysis of multistage epidermal carcinogenesis: development of indefinite renewal capacity and reduced growth factor requirements in colony forming keratinocytes precedes malignant transformation" 1729
"In vitro and in vivo activation of oxidative drug metabolism by flavonoids" 1501
"In-vitro transformation of rat pleural mesothelial cells by chrysotile fibres and-or benzo 3 4 pyrene" 1418
"Industrial hygiene monitoring of gaseous, liquid and particulate matter releases at the Catlettsburg, Kentucky H-coal facility: Results and evaluation" 2171
"Inhibition of the mutagenicity of bay-region diol-epoxides of polycyclic aromatic hydrocarbons by tannic acid, hydroxylated anthraquinones and hydroxylated cinnamic acid derivatives" 1397
"Lysosomal lipids in experimental carcinogenesis" 1542
"Measurement of unscheduled DNA synthesis in germ cells of the male mouse (Mus Musculus)" 1846
"Metabolism of benzo(a)pyrene in rat pleural mesothelial cells in culture" 1865
"Metabolism of xenobiotics in the human adrenal gland" .. 1706
"Metabolism of 1-nitropyrene and 6-nitrobenzo(a)pyrene by intestinal microflora" 866
"Microsomal monooxygenase system in frog livers" 984
"Microsome-mediated reactions of phenols of polycyclic hydrocarbons with DNA." 912

Benzopyrene (cont)
"Molecular biology of environmental aromatic hydrocarbons. Progress report, September 1983 - July 1984" 1037
"Mutagenicity of synfuels materials" 1724
"Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer" 1938
"Part of technological processes in the occurrence of benzo[a]pyrene in foods" 2032
"Photolytic and partitioning behaviour of polynyclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 448
"Role of intercalation in polycyclic aromatic hydrocarbon carcinogenesis" 1347
"Tennessee Valley Authority/Bonneville Power Administration indoor air quality study. Volume 1" 507
"Tests for induction of presumed dominant-lethal effects in female mice" 1304
"The binding of polycyclic aromatic hydrocarbon diol-epoxides to DNA" 1789
"The in vivo uptake of tritiated thymidine as a potential short-term test of toxic effects of polycyclic aromatic hydrocarbons in different organs." 1367
"The contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of emission condensate from coal-fired residential furnaces evaluated by topical application to the skin of mice" 1323
"The mechanistic plurality of cytochrome P-450 and its biological ramifications" 864
"Toxic effects of benzopyrene on immunocompetent cells (mice)" 1107
"Tumor-initiating activity of quinoline and methylated quinolines on the skin of SENCAR mice" 1504
"Use of plant cell cultures to study the metabolism of environmental chemicals" 1819
Beta Carotene
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
"Beta carotene prevents dimethylbenz(a)anthracene-induced tumors" 1781
"Beta caratone reduces sister chromatid exchanges induced by chemical carcinogens in mouse mammary cells in organ culture" 1559
Beta Naphthoflavone
"Differential effect of beta-naphthoflavone on promutagen activation capabilities of S9 from rat and mouse livers" 1764

Betel Quid Ingredients
"Modifying influences of betel quid ingredients on B(a)P-induced carcinogenesis in the buccal pouch of hamster" 1762
Bile
"Effect of bile salts on rates of formation, accumulation, and export of mutagenic metabolites from benzo(a)pyrene produced by the perfused rat liver." 1442
Biliary Excretion
"Biliary excretion and enterohepatic circulation of 1-nitropyrene metabolites in Fischer-344 rats" 973
Biliary Glutathion
"Correlation between levels of hepatic DNA binding and biliary glutathion conjugates of benzo(a)pyrene intermediates in English sole" 1030
Biliary Metabolite
"Secondary metabolites of benzo[a]pyrene: 3-hydroxy-trans-7,8-dihydro-7,8-dihydroxybenzo[a]pyrene, a biliary metabolite of 3- hydroxybenzo[a]pyrene in the rat" 997
Bioaccumulation
"Accumulation of benzo(a)pyrene in fish" 1032
"An autoradiographic study of the chlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl, and the polycyclic aromatic hydrocarbon, phenanthrene, in flounder (Platichthys Flesus) accompanied by liquid scintillationcounting" 1009
"Bioaccumulation of organic micropollutants from sediments and suspended particulates by aquatic animals" 422
"Comparative study on the fate of polychlorinated biphenyl 2,4,5,2',4', 5'hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus) determined by liquid scintillationcounting and autoradiography" 1012
"Polycyclic aromatic hydrocarbons in American lobster (Homarus Americanus) and Blue mussels (Mytilus Edulis) collected in the area of Sydney Harbour, Nova Scotia" .. 490
"Polycyclic aromatic hydrocarbons in the clam Tridacna maxima from the Great Barrier Reef, Australia" 491
"Polycyclic Aromatic Hydrocarbons" 1657
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
Bioactivation
"Bioactivation of premutagenic aerosol extracts by liver and lung homogenates of different species" 1427
"Rat liver subcellular fractions catalyze aerobic binding of 1-nitro[14C]pyrene to DNA" 1086

Bioantioxidants
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
"Phenolic bioantioxidants as effective inhibitors of benzo(a)pyrene induced mutagenesis in mammals" 1709
Bioassay
"Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals" 1198
"Potential uses of sea urchin embryos for identifying toxic chemicals: description of a bioassay incorporating cytologic, cytogenetic and embryologic endpoints" 1387
"The use of free-living nematodes as a bioassay for estuarine sediments" 1931
Bioassessment
"Adsorption properties of PAH on asbestos and iron oxides, in relation with their activity in biological medium" 295
"Bacterial assessment of coal tar mutagenicity" 1981
"Comparative evaluation of three mammalian cell transformation assay systems" 1926
"Comparison of rat and hamster hepatocyte DNA repair genotoxicity assays" 1478
"Current trends in the biological monitoring of exposure to carcinogens" 2163
"Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals" 1198
"Cytotoxicity/genotoxicity: the application of cell culture techniques to the measurement of marine sediment pollution" 1473
"Development of biotoxicological tests for a better knowledge of the metabolism and synergistic effects of chemical pollutants" 1165
"Evaluation of Escherichia-coli K-12 343-113 and derived strains for microbial mutagenicity analysis" 1517
"Evaluation of biologic exposure tests" 1108
"Fractionally distilled SRC-I, SRC-II, EDS, H-coal and ITSL direct coal liquefaction process materials: A comparative summary of chemical analysis and biological testing" 2001
"Fractionation and chemical analysis of gasoline exhaust particulate extracts in connection with biological testing" 566
"Genotoxic activity and potency of 135 compounds in the Ames reversion test and in a bacterial DNA-repair test" . 1213
"Genotoxicity of complex mixtures: CHO cell mutagenicity assay NPNL-5337" 1282
"How well do in vitro tests predict in vivo genotoxicity" 1243

Bioassessment (cont)
"In-vitro short-term testing systems as prescreening for potential carcinogens simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V-79 cells" 1654
"Insect interlaboratory toxicity test comparison study for the chironomid (Paratanytarsus) procedure" 1513
"Liver initiation assay: The rat liver foci bioassay of carcinogens and noncarcinogens" 1733
"Measurements of chemical interactions with DNA" 1130
"Mixed-function oxygenases as biological monitors around petroleum hydrocarbon development sites: potential for induction by diesel and other drilling mud base oils containing reduced levels of polycyclic aromatichydrocarbons" 991
"Mutascreen, an automated bacterial mutagenicity assay" . 1267
"Phosphorus-32 postlabeling test for covalent DNA binding of chemicals in vivo: application to a variety of aromatic carcinogens and methylating agents" 1776
"Polar organic compounds in urban aerosols identification and mutagenicity in the Salmonella-typhimurium mammalian microsome bioassay" ... 1627
"Polycyclic aromatic hydrocarbons in the aquatic environment: occurrence and biological monitoring" 416
"Potential uses of sea urchin embryos for identifying toxic chemicals: description of a bioassay incorporating cytologic, cytogenetic and embryologic endpoints" 1387
"Pre treatment of rats and hamsters with di ethyl stilbestrol effects on metabolic enzyme activity and AMES test results" 1139
"Recommended protocol for Balb-C-3T3 cell transformation assay" 1069
"Report of the instrumentation panel on future research needs" 2169
"Sex difference in the micronucleus test" 1901
"Structure-activity relationships: their function in biological prediction" 1840
"The discrepancy between in vivo and in vitro experiments with polycyclic aromatic hydrocarbon(PAH) carcinogens: a hypothetical explanation" 1905
"The use of the Salmonella/microsome mutagenicity test for the characterization of organic extracts from ambient particulate matter" 1535
"The use of the doubling dose concept with DNA-adduct dosimetry in the evaluation of short-term bioassays" 1663
"The use of cell and organ culture from the respiratory tract for testing chemicals" 1621
"The use of free-living nematodes as a bioassay for estuarine sediments" 1931

Bioassessment (cont)
"The hairless mouse as a model for phototoxicity detection" 2004
"Three consistent patterns of response to substituted acridines in a variety of bacterial tester strains used for mutagenicity testing" 1272
"Waste oil heaters: organic, inorganic, and bioassay analyses of combustion samples. NEPA-600/D-84-130" 605
Bioavailability
"A test procedure to predict the bioavailability of heavy metals, polychlorinated biphenyls and polyaromatic hydrocarbons to animals colonizing an intertidal wetland" 1869
"Bioavailability and biotransformation of aromatic hydrocarbons in benthic organisms exposed to sediment from an urban estuary" 529
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administrated to rats in different amounts of dietary fat" 1495
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administered to rats in different amounts of dietary fat" 950
Biochemical Effects
"Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(a)anthracene on the deposit feeding polychaete Nereis virens" 971
Bioconcentration
"Anthracene bioconcentration in Rainbow trout during single-compound and complex-mixture exposures" 1532
"Partition coefficients as a measure of bioconcentration potential of crude oil compounds in fish and shellfish" . 434
"Quantitative structure-activity relationships for polycyclic aromatic hydrocarbons: correlation between molecular connectivity, physio-chemical properties, bioconcentration and toxicity in Daphnia Pulex" 1316
"The prediction of bioconcentration in fish" 277
Biodegradation
"Bacterial oxidation of the polycyclic aromatic hydrocarbons acenaphthene and acenaphthylene" 480
"Biodegradation of aromatic hydrocarbons in crude oils from the Barrow Sub-basin of Western Australia" 533
"Biodegradation of topped Kuwait crude" 260
"Microbiodegradation of ocean oil pollutants. Part III. Degradation of petroleum hydrocarbons by microorganisms in the ocean" 423
"The biodegradability testing of poorly water soluble compounds" 310
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401

Bioenergetics
"Bioenergetics and survival of the marine snail Thais lima during long-term oil exposure" 1016
Biological Activity
"Spectral atlas of polycyclic aromatic compounds: Including data on occurrence and biological activity" ... 359
"Artificial intelligence approach to structure-activity studies. Computer automated structure evaluation of biological activity of organic molecules" 1465
"Chemical basis for reduced biological activity in advanced coal liquefaction processes" 1039
Biological Effects
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338
"Biological effects of fibers Stantons hypothesis revisited" 1245
"Biological effects summary report: Pyrene" 937
"Molecular biology of environmental aromatic hydrocarbons. Progress report, September 1983 - July 1984" 1037
"Biological effects of dyes on bacteria 6. Mutation induction by acridine orange and methylene blue in the dark with special reference to Eschericia-coli WP-6-POLA-1" 1972
Biological Monitors
"Mixed-function oxygenases as biological monitors around petroleum hydrocarbon development sites: potential for induction by diesel and other drilling mud base oils containing reduced levels of polycyclic aromatichydrocarbons" 991
Biological Properties
"Chemical and biological properties of diesel exhaust particles collected during selected segments of a simulated driving cycle" 1093
Biological Testing
"Two-stage coal liquefaction process materials from the Wilsonville facility operated in the nonintegrated and integrated modes: Chemical analyses and biological testing" 713
"Preliminary chemical analysis and biological testing of materials from the HRI catalytic two-stage liquefaction (CTSL) process" 715
Biological Treatment
"Characteristics of biological treatment in the removal of carcinogens from wastewaters of a large-scale industrial plant" 2188
Bioluminescence Test
"The formation of genotoxic metabolites of benzo[a]pyrene by the isolated perfused rat liver, as detected by the bioluminescence test" 1101

Biomass Combustion
"Air pollutant emissions, concentrations, and exposures from biomass combustion: the cigarette analogy" 783
Biomass Fuel Combustion
"Biomass fuel combustion and health" 2060
Biomass Gasifier Effluents
"Determination of polycyclic aromatic hydrocarbons in biomass gasifier effluents with liquid chromatography/diode array spectroscopy" 619
Biomass Pyrolysis
"Comparative analysis of biomass pyrolysis condensates" . 627
Biomembrane Lipids
"Changes in the peroxidation activity of immunocyte and hepatocyte biomembrane lipids after administration of low-molecular-weight immunomodulators" 1291
Biooxidation
"Biooxidation of 9,10-dihydroanthracene by a mixed bacterial population" 468
Biophysical Indexes
"Changes in some biophysical indexes with intratracheal administration of different doses of benzo(a)pyrene and their criterial significance" 1042
Biopolymers
"Effect of 3,4-benzpyrene on the content of carbohydrate-protein biopolymers in the blood and gastric wall of rats" 930
Biosludge
"Mobilization of azaarenes from wastewater treatment plant biosludge" 2200
Biosynthesis
"Benzo(a)pyrene effects on macromolecular synthesis in synchronous Scenedesmus-quadricauda" 1040
"Covalent binding of benzo[a]pyrene to cytochrome P-450 beta NF-B2 and other proteins in reconstituted mixed-function oxidase systems" 1831
"Effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver nuclei" 1814
"Induction of alkaline-labile sites in DNA by benzo [a]pyrene and the repair of those lesions in cultured Chinese hamster cells" 1685
Biotransformation
"Aberrant activation of benzo(a)pyrene in cultured rat mammary cells in vitro and following direct application to rat mammary glands in vivo" 1737
"Analogous patterns of benzo[a]pyrene metabolism in human and rodent cells" 1848
"Bacterial mutagenicity of aceanthrylene: a novel cyclopenta-fused polycyclic aromatic hydrocarbon of low molecular weight" 1476
"Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay" 1844

Biotransformation (cont)
"Binding of benzo[a]pyrene to different chromatin domains following activation at the nuclear membrane" ... 1682
"Bioavailability and biotransformation of aromatic hydrocarbons in benthic organisms exposed to sediment from an urban estuary" 529
"Biotransformation of benzo(a)pyrene and covalent binding to hepatic DNA in benthic fishes" 1028
"Biotransformation of aromatics: metabolic conversion of nitrogen-containing derivatives of benzo(a)pyrene" 1023
"Correlation of a bond reactivity index with carcinogenicity and metabolic activation of polycyclic aromatic hydrocarbons" 1616
"Differences in pulmonary metabolism of benzo(a)pyrene in inbred mouse strains, using the isolated perfused lung" 1873
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Effects of suspended solids on the biotransformation of acenaphthene" 325
"Evidence for polynuclear aromatic hydrocarbons in the diet of bottom-feeding fish" 393
"In vivo effects of N-acetylcysteine on glutathione metabolism and on the biotransformation of carcinogenic and/or mutagenic compounds" 1209
"Influence of inducers on biotransformation" 1800
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
"Mutagenicity of algal metabolites of benzo(a)pyrene for Salmonella typhimurium" 1835
"Mutagenicity of polycyclic aromatic hydrocarbons and quinones on Salmonella typhimurium TA97" 1812
"Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites" 1662
"Position-specific induction of benzo(a)pyrene metabolism by 3-methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish" 1837
"Rat liver homogenate (S9)-mediated binding of benzo[alpha]pyrene to DNA in V79 cells, V79 cell nuclei and aqueous solution" 1843
"The homogeneity of rat liver microsomal cytochrome P-448 activity and its role in the activation of benzo[a]pyrene to mutagens" 1739
Birth Defects
"Decreased placental monooxygenase activities associated with birth defects" 1556

Bisantrene
"Comparison of in vitro prediction and clinical outcome for two anthracene derivatives: mitoxantrone and bisantrene" 1502
Bitumen Asphalt Workers
"Results of health surveillance in bitumen-asphalt workers" 2141
Bitumen Production Gases
"Removal of 3,4-benzopyrene from bitumen production gases by water scrubbers" 2197
Bitumen(s)
"Distributions of nitrogen functional groups in Utah tar sand bitumen and produced oils" 339
"International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 35: Polynuclear Aromatic Compounds, Pt. 4: Bitumens, Coal-Tars, and Derived Products, Shale-oils, andSoots" 2223
"Microbial content and metabolic activities in the Syncrude tailings pond" 2187
"Possible risk of liver diseases from exposure to bitumen" 2051
"Reduction of PAH emissions from hard coal briquettes containing bitumen instead of pitch binder" 764
"Sampling and analysis of bitumen fumes" 27
Bituminous Coal
"Feasibility of using bituminous coal as residential fuel" 2173
Black Sea Mussel
"Toxicokinetics and metabolism of benz(a)pyrene in the Black Sea Mussels and its accumulation in the mussel body" 2024
Bladder Cancer
"Bladder cancer in the aluminum industry" 2155
Blastomogenesis
"Effect of immunization with tularemia vaccine on 3,4-benz(a)pyrene induced blastomogenesis and mutagenesis in rats" 1658
Blastomogenicity
"Use of the micronuclear test as a rapid method for detection of potential blastomogenicity of asbestos-containing and other mineral fibers" 1955
Blocking Effect
"Quantitative microspectrofluorimetry study of the "blocking effect" of 6-aminochrysene on benzo[a]pyrene metabolism using single living cells" 951
Blood
"Evaluation of biologic exposure tests" 1108
"Plasma corticosteroid and glucose responses to pollutants in striped mullet: different effects of naphthalene, benzo(a)pyrene and cadmium exposure" 1022

Blood Lymphocytes
"Detection of benzo(a)pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in sera from coke oven workers" 2157
"Cytogenetic analysis of peripheral blood lymphocytes in glass workers occupationally exposed to mineral oils" ... 2150
"Detection of benzo[a]pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in serum from coke oven workers" 2087
Blue Cotton
"Screening of mutagenicity of processed foods by the use of Blue Cotton" 1452
"Dynamic adsorption of mutagens to Blue cotton" 1475
Blue Mussels
"Polycyclic aromatic hydrocarbons in American lobster (Homarus Americanus) and Blue mussels (Mytilus Edulis) collected in the area of Sydney Harbour, Nova Scotia" .. 490
Body Burden
"Pollutant body burdens and reproduction in Platichthys Stellatus from San Francisco Bay. Final report" 1013
Boilers
"Air pollution in the operation of boilers" 817
"Emissions of organic pollutants from coal-fired utility boiler plants" 658
"Evaluation of pollutants emitted from boilers fired with briquettes" 776
"Evaluation of benzo(a)pyrene discharge from boilers fired with briquets" 830
Bond Reactivity Index
"Correlation of a bond reactivity index with carcinogenicity and metabolic activation of polycyclic aromatic hydrocarbons" 1616
Bonded Phase Extraction
"Bonded-phase extraction column isolation of organic compounds in groundwater at a hazardous waste site" 769
Bonded Phases
"The influence of the pore size of bonded phases containing phenyl groups in the retention of polycyclic aromatic hydrocarbons in reversed-phase liquid chromatography" 96
Bone Marrow
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
"Discrimination of structurally similar carcinogen noncarcinogen analogs by analysis of sister chromatid exchange in-vivo in bone marrow and intestinal epithelium of Chinese hamsters" 1655

Bone Marrow Cells
"Prostaglandins and mutagenesis: prevention and/or reversibility of genetic damage induced by benzo (a) pyrene in the bone marrow cells of mice by prostaglandin E1" 1759
"Effect of some carcinogens on bone marrow cells in CBA mice" 1956
Bone Marrow Micronucleus
"Glutathione as an inhibitor of chromosomal breakage induced by 7- 12-dimethylbenz(a)anthracene benzo(a)pyrene cyclophosphamide and mitomycin C assessed by the in-vivo bone marrow micronucleus test" .. 1758
Bone Tumor
"The effect of changes in intra vascular pressure on bone tumor induction in rats" 1801
Bonito katsuobushi
"Mutagens in smoked dried Bonito Katsuobushi" 1451
Bovine Endothelial Cells
"Transformation and characterization of bovine endothelial cells after in vitro treatment with benzo(a)pyrene" 908
Brachydanio rerio
"Effects of some mycotoxins and synthetic genotoxic substances on the embryonic and larval development of Brachydanio rerio" 1208
Brain
"Comparative kinetics of oral benz(a)anthracene, chrysene and triphenylene in rats: study with hydrocarbon mixtures" 1091
Brain Microsomal Enzyme
"Brain microsomal enzyme mediated covalent binding of benzo[a]pyrene to DNA" 886
Breast Cancer
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene- induced breast cancer in rats" 1740
Brine
"Gas chromatographic investigation of polycyclic aromatic hydrocarbons in Karachi Lake brine" 474
Briquettes
"Evaluation of pollutants emitted from boilers fired with briquettes" 776
"Evaluation of benzo(a)pyrene discharge from boilers fired with briquets" 830
"Reduction of PAH emissions from hard coal briquettes containing bitumen instead of pitch binder" 764

Bronchial Carcinoma
"A model of bronchogenic carcinoma in the Golden Syrian hamster" 1076
Brown Bullheads
"Epidermal hepatocellular and cholangiocellular carcinomas in brown bullheads Ictalurus-nebulosus from industrially polluted Black River Ohio USA" 1344
Buffalo
"1981 Buffalo, New York area sediment survey (BASS) EPA-905/3-84-001" 467
"Investigation of polycyclic aromatic hydrocarbon discharges to water in the vicinity of Buffalo, New York" 710
Buffalo River
"Tetra chloro-9H carbazole, a previously unrecognized contaminant in sediments of the Buffalo River" 370
Buffered Silica
"Preseparation of polar, substituted, polycyclic aromatic hydrocarbons in aerosol extracts by high-performance liquid chromatography on acidic- or basic-buffered silica" 186
Burner Stabilized Flames
"Studies on the formation of higher molecular hydrocarbons in burner-stabilized flames of different fuels and mixtures" 823
Butylated Hydroxyanisole
"Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes" 1904
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
"Modifications of microsomal and nuclear fractions by butylated hydroxyanisole and its effect on benzo(a)pyrene metabolites binding to macromolecules" .. 1221
Butylated Hydroxytoluene
"Effects of dietary fats and butylated hydroxytoluene (BHT) on hepatic activation of benzo(a)pyrene, 2-acetylaminofluorene and 2- aminofluorene" 1746
"Effects of dietary fats and butylated hydroxytoluene on mutagen activation in rats" 1747
C3H/10T1/2 Cell Lysates
"Quantitative significance of glutathione and glutathione-S-transferase in regulating benzo[a]pyrene anti diol-epoxide level in reconstituted C3H/10T1/2 cell lysates, and comparison to rat liver" 913
C3H/10T1/2 Mouse Embryo
"Induction of cytodifferentiation in C3H/10T1/2 mouse embryo cells by X-irradiation and benzo(a)pyrene" 1328
C57BL/6N Mice
"Benzo(a)pyrene inhibits ovulation in C57BL/6N mice" 1902

Caffeic Acids
"Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture" 1860
Caffeine
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene- induced breast cancer in rats" 1740
Caffeine Bonded Phase
"A new caffeine bonded phase for separation of polyaromatic hydrocarbons and petroleum asphaltenes by high-performance liquid chromatography" 58
Caffeine Bonded Silica Gel
"Separation of polyaromatic hydrocarbons on caffeine-bonded silica gel" 57
Caffeine Derivatives
"Separation of asphaltenes in HPLC by caffeine derivatives bonded on silica" 55
Calanoid Copepod
"Effects of temperature, feeding and acridine on reproduction of the calanoid copepod, Diaptomus clavipes Schacht" 1184
Calcium Carbide
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
Calcium Silicide
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
Cancer
"A family of epidermoid lung cancer models" 1103
"Activation of K-ras and oncogenes other than ras family in rat fibrosarcomas induced by 1,8-dinitropyrene" 1687
"Air pollution and cancer. Investigation of hazardous constituents from various emission sources and their carcinogenic impact" 1051
"Cancer mortality among workers in a thermoelectric power plant" 2055
"Changes in resistance to cancer during chemical carcinogenesis" 1826
"Characterization of rat mammary tumor cell populations" 1087
"Evolution and cancer" 1152
"Germfree animal as a tool to study role of gut microflora and nutrition in cancer" 996
"Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer" 1938

Cancer (cont)
"The MCS model of chemical initiation of cancer" 1908
"The enzyme aryl hydrocarbon hydroxylase and its relation to cancer" 1207
Cancer Research Laboratory
"The observation of sister chromatid exchange frequencies in the workers of long term exposure to chemical carcinogens in cancer research laboratory" 2107
Cancer Risk
"The air toxics problem in the United States: an analysis of cancer risks for selected pollutants" 2219
"Cancer risk from polycyclic hydrocarbons at the workplace: Critical evaluation of recent publication" ... 2031
"National data tests a cancer risk hypothesis [letter]" . 2126
"Risk of cancer in oven-block workers in carbonization plants - Results of a cohort study" 2114
Capillary Chromatography
"Miniature fluorometric photodiode array detection system for capillary chromatography" 64
Capillary Column
"Applications of a computerized flow programmer for capillary column gas chromatography" 145
"Gas-liquid chromatographic analyses. XXXIV. Separation and retention indices with retention increments of some nitrated polynuclear aromatic hydrocarbons on a low-polarity (SE-30) capillary column" 112
"High-performance packed glass-lined stainless steel capillary column for microcolumn liquid chromatography" . 109
"Rapid separation of phenanthrene, anthracene, and carbazole using a capillary column coated with liquid crystal" 59
Carbazole(s)
"32P-postlabeling assay of transplacental DNA damage induced by safrole, 4-aminobiphenyl, benzo(a)pyrene and dibenzo(c,g)carbazole in fetal mouse tissues" 1546
"Assay of 7 compounds for promoting potential on the development of gamma glutamyl transpeptidase-positive liver cell foci in the rat" 986
"Carbazoles of Surakhany crude oil" 636
"Comparative analysis and identification of carbazole derivatives extracted from two crude oils originating from Congo" 685
"Determination of nitrogen compounds in hydrotreated shale oils by preparative high-performance liquid chromatography and gas chromatography-mass spectrometry" 35
"Distribution of carbazole derivatives in petroleum" 621
"Distributions of nitrogen functional groups in Utah tar sand bitumen and produced oils" 339
"Effect of catalytic hydrotreatments on the distribution of nitrogen compounds in a coker gas oil and in a deasphalted heavy oil" 686

Carbazole(s) (cont)
"Effects of pyrene or benzo(a)pyrene on the mutagenicity of trinitrochlorobenzene or tetranitrocarbazole" 1315
"Human cell-mediated cytotoxicity and mutagenicity of the nitrogen heterocyclic 7H-dibenzo(c,g)carbazole (DBC)" 1708
"Identification of carbazoles and benzocarbazoles in a coker gas oil and influence of catalytic hydrotreatment on their distribution" 620
"In vitro metabolism of N-methyldibenzo(c,g)carbazole a potent sarcomatogen devoid of hepatotoxic and hepatocarcinogenic properties" 1735
"Metabolic activation of the N-heterocyclic carcinogen, 7H-dibenzo(c,g)carbazole" 1891
"Microbial degradation of alkyl carbazoles in Norman Wells crude oil" 291
"Microbial degradation of alkyl carbazoles in Norman Wells crude oil" 290
"Modulation of rat hepatic aryl hydrocarbon hydroxylase by various flavones and polycyclic aromatic hydrocarbons" 899
"Rapid separation of phenanthrene, anthracene, and carbazole using a capillary column coated with liquid crystal" 59
"Round robin investigation of organic compounds in aqueous leachates of solid wastes: Application to H-coal filter cake leachates" 571
"Sexual differences in the expression of gamma glutamyl transpeptidase during 5 9 dimethyldibenzo-C G-carbazole-induced hepatocarcinogenesis in mice" 1952
"Studies on the fate of carbazole in rats" 1348
"Sunlight photolysis rates of selected neutral azaarenes in aqueous coal-oil systems" 449
"Tetra chloro-9H carbazole, a previously unrecognized contaminant in sediments of the Buffalo River" 370
"Tissue-specific DNA adduct formation in mice treated with the environmental carcinogen, 7H-dibenzo[c,g]carbazole" 1842
"Toxicologic strategy for mutagens formed in foods during cooking: Status and needs" 1351
Carbon Black
"Routine determination of polycyclic aromatic hydrocarbons in carbon black by chromatographic techniques" 229
"Individual composition of polycyclic arenes adsorbed on the surface of carbon black during its production" 205
"The effect of carbon black ingestion on 1,2-dimethylhydrazine-induced colon carcinogenesis in rats and mice" 1727
"Effect of prolonged exposure to carbon black particles on the pulmonary clearance of inhaled diesel particles" . 1510
"IARC Monographs on the Evaluation of the Carcinogenic

Carbon Black (cont)
Risk of Chemicals to Humans, Vol. 33: Polynuclear Aromatic Compounds, Pt. 2: Carbon Blacks, Mineral Oils and Some Nitroarene Compounds" 2222
Carbon Black Lung
"Carbon black lung as an occupational disease" 2046
Carbon Thermogram
"Tunnel measurement of the PAH (polycyclic aromatic hydrocarbons), carbon thermogram and elemental source signature from vehicular exhaust" 674
Carbonaceous Aerosol
"Receptor modeling for carbonaceous aerosols: source characterization. NEPA/600/D-85/004" 675
Carbonaceous Particles
"Carbonaceous particles in coal combustion stack ash and their interaction with polycyclic aromatic hydrocarbons" 649
"Influence of carbonaceous particles on the interaction of coal combustion stack ash with organic matter" 650
Carbonization Plants
"Risk of cancer in oven-block workers in carbonization plants - Results of a cohort study" 2114
Carbonized Coal Products
"Carbonized coal products as a source of aromatic hydrocarbons to sediments from a highly industrialized estuary" 734
Carboxylic Esters
"Some thermal decomposition products of carboxylic esters used as lubricants in a two-stroke-cycle engine" . 608
Carcinogen
"12-O-Tetradecanoylphorbol-13-acetate promotion of carcinogen-treated rat liver endothelial cells" 1373
"5-Azacytidine potentiates initiation induced by carcinogens in rat liver" 1222
"A 60-kilodalton oncofetal protein induction in rats by chemical carcinogens" 1336
"Acceleration of epithelial keratinization by carcinogens in fetal rat forestomach in organ culture" .. 1289
"Arachidonic acid-dependent cooxidation. A potential pathway for the activation of chemical carcinogens in vivo" 945
"Carcinogen metabolism and carcinogen-DNA adducts in human tissues and cells" 1341
"Chemical carcinogens as specific inducers of a 60-kilodalton oncofetal protein in rats" 1335
"Comparison of the in vitro and in vivo hepatic metabolism of the carcinogen 1-nitropyrene" 919
"Cytochrome P-448 and the activation of toxic chemicals and carcinogens" 1409
"Effects of a strong and a weak carcinogen on murine alpha/beta interferon production in vivo." 1702

Carcinogen (cont)
"Effects of dietary lipid saturation on prolactin secretion carcinogen metabolism and mammary carcinogenesis in rats" 1178
"Enhancement of chemical-carcinogen-induced cell transformation in hamster embryo cells by 1 alpha,25-dihydroxycholecalciferol, the biologically active metabolite of vitamin D3" 927
"Identification and quantification of a messenger ribonucleic acid induced by polynuclear aromatic hydrocarbons--using a cloned human cytochrome P-450 gene" 935
"In vivo effects of N-acetylcysteine on glutathione metabolism and on the biotransformation of carcinogenic and/or mutagenic compounds" 1209
"Interaction between yeast cytochrome P-450 and chemical carcinogens" 939
"Metabolism of carcinogens by prostagladin H synthase" .. 1261
"Metabolism of chemical carcinogens" 1229
"Metabolism of a model environmental carcinogen by bivalve mollusks" 1066
"Mutational and recombinational events in carcinogen-modified plasmid DNA influence of host-cell repair genes" 1046
"Occurrence, analysis and significance of PAH as an environmental carcinogen" 320
"Polynuclear aromatic carcinogens" 1230
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo[a]pyrene" 1003
"Stereospecificity in algal oxidation of the carcinogen benzo(a)pyrene" 959
"Structure-activity relationships in hydrocarbon carcinogens" 1496
"Suitability of the P388F mouse lymphoma system for detecting potential carcinogens and mutagens" 1063
"Survival and mutagenesis of bacterial plasmids with localized carcinogen adducts" 1164
"The interaction between DNA and chemical carcinogens 1" 1671
"The nature of persistent carcinogen chromatin damage" .. 1477
Carcinogenesis
"A study of chemical carcinogenesis. 84. Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" 7
"A historical perspective of chemical carcinogenesis" ... 1855
"A 2-stage mouse skin carcinogenesis study of Lyngbyatoxin A" 1288
"ACS Symposium Series, No. 283: Polycyclic Hydrocarbons and Carcinogenesis. (Developed from a Symposium Sponsored by the Division of Organic Chemistry at the 188th Meeting of the American Chemical Society, Philadelphia,Pa., August 26-31, 1984)" 1346

Carcinogenesis (cont)
"Activation of chemical carcinogens by cultured human fetal liver, esophagus and stomach" 1073
"Air pollution and cancer. Investigation of hazardous constituents from various emission sources and their carcinogenic impact" 1051
"Artificial intelligence and Bayesian decision theory in the prediction of chemical carcinogens" 1797
"Asphalt paint carcinogenesis [letter]" 1587
"Association of resistance to terminal differentiation with initiation of carcinogenesis in adult mouse epidermal cells" 1446
"Carcinogen-induced depletion of cutaneous Langerhans cells" 1642
"Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3- methylcholanthrene" 1766
"Carcinogenesis by polycyclic aromatic hydrocarbons: a multilinear regression on new type Perturbational Molecular Orbital indices" 1907
"Carcinogenic compounds in our environment" 430
"Carcinogenic activity of coal flue gas and fractions thereof" 1413
"Carotenoids prevention of carcinogenesis and photo carcinogenesis by benzo(a)pyrene and 8 methoxy psoralen" 1825
"Cell culture studies of the mechanism of action of chemical carcinogens and tumor promoters" 1974
"Changes in resistance to cancer during chemical carcinogenesis" 1826
"Chemical carcinogenesis in the smoking pistol" 1620
"Chemical carcinogenesis: benzopyrene system" 1519
"Chemical carcinogenesis an overview" 1356
"Chemical carcinogen-mediated decreases in DNA 5-methylcytosine content of BALB/3T3 cells" 1992
"Comparison of the effects of different carcinogens on rat skin" 2023
"Contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of gasoline engine exhaust condensate evaluated by implantation into the lungs of rats" 1322
"Covalent binding of benzo(a)pyrenediol epoxides to polynucleotides" 1169
"Diregion theory - new concept for quantitative structure/carcinogenic activity relation and mechanism of chemical carcinogenesis" 1194
"Effect of some phenols on the level of benzo(a)pyrene-induced gene mutations and carcinogenesis" 1714
"Effect of some carcinogens on bone marrow cells in CBA mice" 1956

Carcinogenesis (cont)
"Effect of red ginseng on natural killer cell activity in mice with lung adenoma induced by urethane and benzo(a)pyrene" 2021
"Effects of inhaled ammonium sulfate on benzo[a]pyrene carcinogenesis" 1308
"Effects of a biomimetic superoxide dismutase on complete and multistage carcinogenesis in mouse skin" ... 1252
"Electron carriers of the pulmonary and hepatic detoxifying system in chemical carcinogenesis under conditions of modifying action of influenza virus" 843
"Fluorescence measurements of DNA-bound metabolites of benzo(a)pyrene derivatives with different carcinogenic effects" 1317
"Genetic targets in multistage carcinogenesis" 1297
"IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 33: Polynuclear Aromatic Compounds, Pt. 2: Carbon Blacks, Mineral Oils and Some Nitroarene Compounds" 2222
"In-vitro studies of normal and carcinogen-treated oral epithelium" 1988
"In-vivo studies on enhancement and promotion of respiratory tract carcinogenesis studies with heterotopic tracheal transplants" 1463
"Induction of sarcomas in rats by subcutaneous injection of dinitropyrenes" 1693
"Induction of colon cancer in inbred Syrian hamsters by intrarectal administration of benzo(a)pyrene, 3-methylcholanthrene and N- methyl-N-nitrosourea" 1963
"Inhibition of chemical carcinogenesis by 2,5-DI-O-acetyl-D-glucaro-1,4:6,3-dilactone" 1960
"Initiation of chemical carcinogenesis and the asprin-like drugs" 1728
"Interactions of asbestos and polycyclic aromatic hydrocarbons in carcinogenesis of the respiratory tract" 1636
"International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 35: Polynuclear Aromatic Compounds, Pt. 4: Bitumens, Coal-Tars, and Derived Products,Shale-oils, and Soots" 2223
"Local lymph node morphology during hamster cheek pouch carcinogenesis" 1186
"Low-level X-radiation effects on functional vascular changes in Syrian hamster cheek pouch epithelium during hydrocarbon carcinogenesis" 1548
"Lung carcinoma induction in Syrian golden hamsters by intratracheal instillation of 1,6-dinitropyrene" 1912
"Mechanisms of initiation and promotion in mouse epidermis" 2022
"Metabolic activation pathways of cyclopenta-fused PAH (polycyclic aromatic hydrocarbons) and their relationship to genetic and carcinogenic activity" 1660

Carcinogenesis (cont)
"Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis" 1193
"Modifying influences of betel quid ingredients on B(a)P-induced carcinogenesis in the buccal pouch of hamster" 1762
"Modulatory mechanisms of chemical carcinogenesis: the role of the NADPH pool in the benzo(a)pyrene activation" 1271
"Molecular studies of chemical carcinogenesis" 1266
"Multiplicative effect of inhaled plutonium oxide and benzo(a)pyrene on lung carcinogenesis in rats" 1603
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802
"One-electron oxidation in aromatic hydrocarbon carcinogenesis" 1162
"Physico-chemical methods for the study of polycyclic aromatic hydrocarbon carcinogen-DNA interactions. Progress report, October 1, 1981 - September 30, 1984" . 1298
"Polycyclic aromatic hydrocarbon carcinogenesis. An introduction" 1228
"Polycyclic aromatic hydrocarbons: metabolic activation to ultimate carcinogens" 1929
"Polynuclear aromatic hydrocarbons" 1429
"Possible carcinogenic hazard of the ceolite clinoptilolite" 1752
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo(a)pyrene" 1856
"Quantitative structure-carcinogenic activity relationship of methyl, alkyl, cyclopentano, cyclohexano polycyclic aromatic hydrocarbons and cholanthrene series" 1195
"Respiratory tract tumors in hamsters after severe focal injury to the trachea and intratracheal instillation of benzo[a]pyrene" 1783
"Role of metabolism in benzo(a)pyrene carcinogenesis" ... 1849
"Role of intercalation in polycyclic aromatic hydrocarbon carcinogenesis" 1347
"Role of estrogen and prolactin in stimulation of carcinogen induced mammary tumor development by a high fat diet" 1075
"Role of the Peyer's patches in carcinogenesis of lymphocytes by polycyclic aromatic hydrocarbons" 1126
"Salivary gland carcinogenesis in rats a model for nutritional studies" 1342
"Soft agar colony formation of mouse epidermal cells during the early phase of 2-stage of chemically induced carcinogenesis" 1350

Carcinogenesis (cont)
"Some problems of molecular pathology in chemical carcinogenesis. I. Interaction of deoxyribonucleic acid with polycyclic compounds" 903
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene-induced breast cancer in rats" 1740
"Studies on the tumor initiating, tumor promoting, and tumor co-initiating properties of respiratory carcinogens" 1665
"Studies of benzo(a)pyrene carcinogenesis and DNA binding in the presence of complex mixtures" 1385
"Synergism in carcinogenesis" 2131
"The discrepancy between in vivo and in vitro experiments with polycyclic aromatic hydrocarbon(PAH) carcinogens: a hypothetical explanation" 1905
"The effect of immunization with tularemia vaccine on carcinogenesis and mutagenesis induced by 3,4-benz(a)pyrene in rats" 1659
"The contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of emission condensate from coal-fired residential furnaces evaluated by topical application to the skin of mice" 1323
"The contribution of polycyclic aromatic hydrocarbon fractions with different boiling ranges to the carcinogenic impact of emission condensate from coal fired residential furnaces as evaluated by topical application tothe skin of mice" 1324
"The bay region theory of polycyclic aromatic hydrocarbon carcinogenesis" 1512
"The effects of a cocarcinogen, ferric oxide, on the metabolism of benzo(a)pyrene in the isolated perfused lung" 1968
"Tumor enhancement factors and mechanisms in the hamster respiratory tract carcinogenesis model" 1807
"Use of cell transformation systems for carcinogenicity testing and mechanistic studies of carcinogenesis" 1089
"Vitamin A and oral carcinogenesis" 1437
Carcinogenicity
"1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice" 1932
"A quantum mechanical approach to the theory of cancer from polynuclear molecules. Metabolic activation and carcinogenicity of methylphenanthrenes" 1617
"Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6- dinitropyrene in rats" 1692
"Attempts to develop a new, rapid test system for the demonstration of carcinogenic effects" 1070
"Carcinogenic responses to chemicals applied directly to rat mammary glands in-situ" 1383

Carcinogenicity (cont)
"Carcinogenic potential of hydrotreated petroleum aromatic extracts" 1235
"Carcinogenic effects of river sediment extracts in fish and mice" 1109
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry castings operations. Volume 1." 2145
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry casting operations. Volume 5" 2146
"Chemical carcinogenesis: Polycyclic aromatic hydrocarbons and related compounds" 1653
"Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon" 1639
"Comparative carcinogenicities of 1-, 2-, and 4-nitropyrenes (NP) and structurally related compounds for female CD rats following intraperitoneally injection" 1406
"Comparative carcinogenic and mutagenic activity of coal tar and petroleum asphalt paints used in potable water supply systems." 2132
"Comparative study on the carcinogenicity of N-nitrosodiethylamine and benzo(a)pyrene to the lung of Syrian golden hamsters induced by intermittent instillations to the trachea" 2011
"Comparison of the ability of the mouse lung adenoma assay and the rat liver foci assay to detect chemical carcinogens" 1734
"Computer automated evaluation and prediction of the Iball index of carcinogenicity of polycyclic aromatic hydrocarbons" 1468
"Correlation of a bond reactivity index with carcinogenicity and metabolic activation of polycyclic aromatic hydrocarbons" 1616
"Effects of methyl and fluoro substitution on the metabolic activation and carcinogenicity of polycyclic aromatic hydrocarbons" 1358
"Ellagic acid (EA) inhibits epidermal benzo(a)pyrene (BP) metabolism and 3-methylcholanthrene (MCA) skin carcinogenicity in BALB/c mice" 1638
"Environmental nitroarenes: an attempt to understand their mutagenic and carcinogenic properties" 1796
"Evaluation of the carcinogenic action of chemical substances in humans" 1453
"Experimental methods for the detection of the carcinogenicity and/or cocarcinogenicity of inhaled polycyclic-aromatic-hydrocarbon- containing emissions" . 1365
"Exposure to asphalt as the cause of development of skin cancer" 2099
"Frequency, analysis and importance of PAHs as environmental carcinogens" 1320

Carcinogenicity (cont)
"Heterogeneity of hepatic aryl hydrocarbon hydroxylase activity in feral winter flounder: pseudopleuronectes-americanus relevance to carcinogenicity testing" 1102
"Immune competence and tumor susceptibility in various strains of mice following benzo(a)pyrene administration" 1113
"Influence of dose fractionation on carcinogenicity of chemical compounds" 1946
"Investigation on the carcinogenicity of emission condensate from brown coal-fired residential furnaces applied to mouse skin" 1224
"Liver initiation assay: The rat liver foci bioassay of carcinogens and noncarcinogens" 1733
"Mammalian cell mutation and polycyclic hydrocarbon carcinogenesis" 1134
"MINDO/3 calculations of carcinogenic activities of polycyclic hydrocarbons" 1676
"MINDO/3 calculations of carcinogenic activities of polycyclic (aromatic) hydrocarbons" 1619
"Multi-disciplined approach to the safety evaluation of chemicals with special emphasis on carcinogenic toxicity. The ED01 study" 2226
"Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification" 2229
"Mutagenicity and carcinogenicity of polycyclic aromatic enriched fractions from coal liquefaction materials" 1726
"Nitrated polycyclic aromatic hydrocarbons: mutagenic and carcinogenic potency. A review" 1480
"Nitroaromatics--carcinogenicity and metabolism (rats)" . 1260
"On the role of tumor promotion in chemical carcinogenesis" 1127
"PAH-their contribution to the carcinogenicity of various emissions" 1321
"Pattern recognition, a tool for studying the correlation between carcinogenicity of a polyaromatic hydrocarbon and the structure of the molecule" 1246
"Predicting carcinogenicity of polycyclic aromatic hydrocarbons" 1545
"Relative roles of K region and bay region towards determining the carcinogenic potencies of polycyclic aromatic hydrocarbons" 1618
"Role of radical cations in aromatic hydrocarbon carcinogenesis" 1161
"Study of the carcinogenic mechanism for polycyclic aromatic hydrocarbons - extended bay region theory and its quantitative model" 2013
"The effect of carbon black ingestion on 1,2-dimethylhydrazine-induced colon carcinogenesis in rats and mice" 1727
"Use of cell transformation systems for carcinogenicity testing and mechanistic studies of carcinogenesis" 1089

Carcinomas
"Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route" 1736
"Epidermal hepatocellular and cholangiocellular carcinomas in brown bullheads Ictalurus-nebulosus from industrially polluted Black River Ohio USA" 1344
Carcinus
"Interrelationships of cholesterol and hydrocarbon metabolism in the shore crab, Carcinus-maenas" 985
Carotenoids
"Carotenoids prevention of carcinogenesis and photo carcinogenesis by benzo(a)pyrene and 8 methoxy psoralen" 1825
Carp
"Xenobiotic and endobiotic induction of mixed function monooxygenases in carp Cyprinus-carpio" 1005
Catalytic Activity
"Catalytic activity of cytochrome P-448 in native and reconstituted microsomal membranes" 1326
Catalytic Combustion
"Study of the effectiveness of a catalytic combustion device on a wood burning appliance. NEPA-600/7-84-046" . 2176
Catalytic Hydrotreatment
"Effect of catalytic hydrotreatments on the distribution of nitrogen compounds in a coker gas oil and in a deasphalted heavy oil" 686
"Identification of carbazoles and benzocarbazoles in a coker gas oil and influence of catalytic hydrotreatment on their distribution" 620
Catalytic Properties
"Catalytic properties of cytochrome P 450 in hepatopancreas of the spiny lobster, Panulirus argus" ... 925
Catchment
"Distribution, composition and source of polycyclic aromatic hydrocarbons in sediments of the River Tamar catchment and estuary, U. K." 765
Catechols
"Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin" 1593
Cayuga Lake
"The relationship of a coal-fired power plant to the levels of polycyclic aromatic hydrocarbons (PAH) in the sediment of Cayuga Lake" 673
CBA Mice
"Effect of some carcinogens on bone marrow cells in CBA mice" 1956
Cell Culture Studies
"Cell culture studies of the mechanism of action of chemical carcinogens and tumor promoters" 1974

Cell Cycle
"The effects of cell cycle position on the cytotoxicity and mutagenicity of benzo(a)pyrene in cultured Chinese hamster cells" 1684
Cell Differentiation
"The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation" 1399
"Control and cell differentiation and cell transformation in-vitro by phorbol-12-myristate-13-acetate and 1-Alpha 25 dihydroxyvitamin D-3" 1400
Cell Membrane
"Benzo[a]pyrene metabolism in human T 47D mammary tumor cells: evidence for sulfate conjugation and translocation of reactive metabolites across cell membranes" 1600
Cell Transformation
"Studies of tumor promoters with the Syrian hamster embryo cell transformation assay" 1824
"Effect of process distillation on mutagenicity and cell-transformation activity of solvent-refined, coal-derived liquids" 1725
"Chimney soot in the cell transformation assay" 1337
"Control and cell differentiation and cell transformation in-vitro by phorbol-12-myristate-13-acetate and 1-Alpha 25 dihydroxyvitamin D-3" 1400
"Recommended protocol for Balb-C-3T3 cell transformation assay" 1069
"Use of cell transformation systems for carcinogenicity testing and mechanistic studies of carcinogenesis" 1089
"Effects of 5-azacytidine on the progressive nature of cell transformation" 920
"Amitrol-induced cell transformation and gene mutations in Syrian hamster embryo cells in culture" 1942
"Syrian hamster embryo cell transformation as a screening assay source of variability" 1943
"Comparative evaluation of three mammalian cell transformation assay systems" 1926
"Balb-C-3T3 cell transformation response to extracts of organic air samples as seen by their survival in aggregate form" 2028
Cellular Permeability
"Mutagenicity of nitropyrenes for Escherichia coli: requirement for increased cellular permeability" 970
Cellular Processing
"Cellular processing of carcinogen DNA adducts" 1327
ChaGo Cells
"Role of benzo(a)pyrene and metabolites in the induction of alpha CG gene expression in ChaGo cells" 1996

Chain-saw Engines
"Sampling and analysis of polycyclic aromatic hydrocarbons (PAH) from two-stroke chain-saw engines" ... 717
Channel Microcosm
"Disposition of anthracene in the water and Aufwuchs matricies of a large outdoor channel microcosm: A data set for mathematical simulation models" 257
Chemical Countermeasures
"The development of chemical countermeasures for hazardous waste contaminated soil" 2186
Chemical Properties
"Estimation of hydrophobicity based on the solvent-accessible surface area of molecules" 84
"Chemical and biological properties of diesel exhaust particles collected during selected segments of a simulated driving cycle" 1093
Chemical Reactivity
"Sources and chemical reactivity of polynuclear aromatic hydrocarbons in the atmosphere - a critical review" 747
"Chemical reactivity of polycyclic organic compounds adsorbed on coal fly ash and related solid surfaces. Progress report" 798
"Conversion of polycyclic aromatic hydrocarbons on diesel particulate matter upon exposure to ppm levels of ozone" 528
"Chemical reactivity of polycyclic aromatic compounds vapor-adsorbed on coal stack ash" 639
"The different reaction mechanisms by which chlorine and chlorine dioxide react with polycyclic aromatic hydrocarbons (PAH) in water" 465
"Reactivity of polycyclic aromatic hydrocarbons towards nitrating species" 424
"Investigation of heterogeneous reactions of PAH's on particle surfaces using laser microprobe mass analysis" . 140
"Kinetics of the gas-phase reactions of the hydroxyl radical with naphthalene phenanthrene and anthracene" ... 23
Chemical Structure
"Prediction of partition coefficients of unsubstituted polycyclic aromatic hydrocarbons from Csub 1sub 8 chromatographic and structural properties" 471
"Structural origin of HPLC parameters of polycyclic aromatic hydrocarbons" 2
"X-ray analyses of polycyclic hydrocarbon metabolite structures" 65
"Stereoscopic studies of DNA complexes formed after reaction with antibenzo(a)pyrene-7, 8-dihydrodiol-9, 10-oxide enantiomers of different carcinogenic potency" 90
"Reactivity and stereochemical parameters in QSAR for carcinogenic polycyclic aromatic hydrocarbon derivatives" 177

Chemical Structure (cont)
"Principles of the changes of retention indexes for polycyclic aromatic hydrocarbons in relation to their structure and stationary phase polarity" 166
"Pattern recognition, a tool for studying the correlation between carcinogenicity of a polyaromatic hydrocarbon and the structure of the molecule" 1246
"Occupational cancer and chemical structure: Past, present, and future" 2084
Chemiluminescence
"Detection of polycyclic aromatic hydrocarbons by active nitrogen-induced chemiluminescence" 99
"Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence" 176
Chesapeake Bay
"Numerical taxonomy of phenanthrene-degrading bacteria isolated from the Chesapeake Bay" 536
Chick Embryo
"Developmental control of the xenobiotic metabolizing enzyme system in the chick embryo" 1333
Chicken Livers
"Acute toxicity and inductive effect on liver enzyme activities 3 4 5 3' 4' pentachlorobiphenyl in chickens" . 1380
Chinese Hamster Lung Cells
"Cytotoxicity of fine particles with and without adsorbed polycyclic aromatic hydrocarbons using Chinese hamster lung cells (V79)" 2027
Chinese Hamster Ovary Cell
"Development of a standard protocol for in vitro cytogenetic testing with Chinese hamster ovary cells: comparison of results for 22 compounds in two laboratories" 1292
"Induction of 6-thioguanine resistance, chromosome aberrations and SCE by dinitropyrenes in Chinese hamster ovary cells in vitro" 1251
Chinese Hamster V79 Cells
"Human endometrial cell-mediated mutagenesis of Chinese hamster V79 cells by metabolism of benzo(a)pyrene" 1290
Chiral Stationary Phase
"Direct resolution of mono- and diol enantiomers of unsubstituted and methyl-substituted benz(a)anthracene and benzo(a)pyrene by high-performance liquid chromatography with a chiral stationary phase" 223
"Direct enantiomeric resolution of cyclic alcohol derivatives of polycyclic aromatic hydrocarbons by chiral stationary phase high- performance liquid chromatography" 222
Chironomids
"Insect interlaboratory toxicity test comparison study for the chironomid (Paratanytarsus) procedure" 1513

Chlordecone
"Influence of chlordecone and mirex on benzo(a)pyrene metabolism" 1189
"Neonatal chlordecone alteration of the ontogeny of sex-differentiated hepatic drug and xenobiotic metabolizing enzymes" 1498
Chlorella
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
Chlorine
"Mutagenicity of reaction product and reaction between fluoranthene and aqueous chlorine" 1910
"The different reaction mechanisms by which chlorine and chlorine dioxide react with polycyclic aromatic hydrocarbons (PAH) in water" 465
Chlorine Dioxide
"The different reaction mechanisms by which chlorine and chlorine dioxide react with polycyclic aromatic hydrocarbons (PAH) in water" 465
"The reactions of chlorine dioxide with aquatic organic materials and their health effects" 2130
Chlorobenzene Burning
"Relative rates and partial combustion products from the burning of chlorobenzenes and chlorobenzene mixtures" ... 811
Chloroplast
"Interaction of exogenous hydrocarbons with Chlorella algae in an aqueous medium" 1035
CHO Cells
"The influence of antipain on the induction of mutations in CHO cells" 1135
CHO/HGPRT Assay
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"The effects of glutathione on benzo(a)pyrene-induced cytotoxicity and mutagenicity in the CHO-HGPRT hypoxanthine-guanine phosphoribosyltransferase assay" .. 1774
"Cytotoxicity and mutagenicity of coal oils in the CHO/HGPRT assay" 1220
CHO/HGPRT System
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772
Cholesterol
"The effects of pressure and cholesterol on rotational motions of perylene in lipid bilayers" 876
Cholesterol Effects
"The effects of pressure and cholesterol on rotational motions of perylene in lipid bilayers" 876

Chorionic Gonadotropin
"Mechanism of benzo(a)pyrene induction of alpha-human chorionic gonadotropin gene expression in human lung tumor cells" 1997
"Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of.alpha.-human chorionic gonadotropin-specific mRNA sequences and benzo(a)pyrene-induced hypomethylation" ... 1998
Chromatid Exchange
"Stage-specific induction of sister-chromatid exchanges in utero" 1870
"Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3- methylcholanthrene" 1766
"Differential induction of sister-chromatid exchanges by benzo[a]pyrene in variant mouse hepatoma cells." 1829
"The relationship between the levels of DNA-hydrocarbon adducts and the formation of sister-chromatid exchanges in Chinese hamster ovary cells treated with derivatives of polycyclic aromatic hydrocarbons" 1705
"Discrimination of structurally similar carcinogen noncarcinogen analogs by analysis of sister chromatid exchange in-vivo in bone marrow and intestinal epithelium of Chinese hamsters" 1655
"Effects of benzo(a)pyrene metabolites from rat liver S9 fraction on sister chromatid exchange frequency of human lymphocytes" 2005
"Serum- and plasma-dependent variations of benzo(a)pyrene-induced sister chromatid exchange in human lymphocytes" 1985
Chromatin
"Binding of benzo[a]pyrene to different chromatin domains following activation at the nuclear membrane" ... 1682
"The nature of persistent carcinogen chromatin damage" .. 1477
Chromatography
"Chromatographic techniques for characterization of coal tar pitch volatiles" 18
"Chromatographic chemical characterization of solvent refined coal I and II liquids for toxicological testing" 2002
"Determination of nitrated-polyaromatic hydrocarbons (nitro-PAHs) in environmental samples by high resolution chromatographic techniques" 385
"Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system" 1677
"Identification of specific organic water pollutants in the River Sava by high-resolution chromatographic techniques and computer- assisted mass spectrometry" ... 232
"Interlaboratory comparison of quantification of PAH in atmospheric aerosols by gas and liquid chromatographies and by Shpol'skii fluorometry" 118

Chromatography (cont)
"Prediction of partition coefficients of unsubstituted polycyclic aromatic hydrocarbons from Csub 1sub 8 chromatographic and structural properties" 471
"Quantitative analysis of polycyclic aromatic compounds in diesel exhaust particulate extracts by combined chromatographic techniques" 805
"Routine determination of polycyclic aromatic hydrocarbons in carbon black by chromatographic techniques" 229
Chromatophoromas
"Correlation of epizootiological observations with experimental data chemical induction of chromatophoromas in the Croaker Nibea- Mitsukurii" 1454
Chromosomal Aberrations
"Induction of chromosomal aberrations in the mussel Mytilus galloprovincialis watch" 1053
"Carcinogenic-mutagenic chemicals induced chromosomal aberrations in the kidney cells of three cyprinids" 1052
"Induction of 6-thioguanine resistance, chromosome aberrations and SCE by dinitropyrenes in Chinese hamster ovary cells in vitro" 1251
Chromosomal Abnormalities
"Chromosomal abnormalities in soft coal open-cast mining workers" 2151
Chromosomal Breaks
"Glutathione as an inhibitor of chromosomal breakage induced by 7- 12-dimethylbenz(a)anthracene benzo(a)pyrene cyclophosphamide and mitomycin C assessed by the in-vivo bone marrow micronucleus test" .. 1758
"Corn oil and its minor constituents as inhibitors of 7-12-dimethyl- benz(a)anthracene induced chromosomal breaks in-vivo" 1756
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
Chromosomal Changes
"Chromosomal changes in cultured rat mesothelial cells treated with 3,4-benzpyrene and/or chrysotile asbestos" . 1592
Chromosomal Subfractions
"The binding of benzo(a)pyrene metabolites to chromosomal subfractions" 1936
Chronic Bronchitis
"Assessment of the direct effect of 3,4-benzpyrene on organ cultures from the bronchi of patients presenting chronic bronchitis and pulmonary carcinoma" 1951
Chrysene
"6-Nitrochrysene is a potent tumorigen in newborn mice" . 1146
"A survey analysis of resistant organic chemicals in water by high resolution gas chromatography/mass spectrometry" 777

Chrysene (cont)
"Analysis of organic and mineral constituents of fly ash from the Gardanne coal-fired power station" 737
"Comparative kinetics of oral benz(a)anthracene, chrysene and triphenylene in rats: study with hydrocarbon mixtures" 1091
"Comparative studies of the metabolic activation of chrysene in rodent and human skin" 1978
"Differential induction of various carboxylesterases by certain polycyclic aromatic hydrocarbons in the rat" 1680
"Effect of methylation on the conformer stability and reactivity of the bay-region diol-epoxides of chrysene" . 1868
"Effects of some environmental agents on the elimination kinetics of theophylline" 1131
"Metabolic activation of chrysene comparative studies with rodent and human skin" 1977
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"Microsome-mediated reactions of phenols of polycyclic hydrocarbons with DNA." 912
"Molecular-shape recognition of polycyclic aromatic hydrocarbons in reversed phase liquid chromatography" ... 92
"Mutagenicity of synfuels materials" 1724
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report May 1 - July 31, 1984" ... 122
"The formation of 9-hydroxychrysene-1,2-diol as an intermediate in the metabolic activation of chrysene" ... 914
"The effect of chrysene and some polycyclic aromatic hydrocarbons on the elimination of theophylline in rats" 1132
Chrysotile Fibres
"In vitro transformation of rat pleural mesothelial cells by chrysotile fibres and/or benzo[a]pyrene" 1715
Cigarette Analogy
"Air pollutant emissions, concentrations, and exposures from biomass combustion: the cigarette analogy" 783
Cigarette Smoke
"Activation of cigarette smoke components to mutagens in V79 cells by pulmonary aveolar macrophages (PAMS) lavaged from sham- puffing and cigarette-smoking baboons" 1567
"Inhibitory effects of the phorbolester TPA and cigarette smoke condensate on the mutagenicity of benzo[a]pyrene in a co- cultivation system" 1426
Cimetidine
"Dose dependent activation of rat small intestinal monooxygenase-activity towards benzo(a)pyrene and 7-ethoxycoumarin after oral pretreatment with cimetidine" 1123

Cinnamates
"Inhibition of the mutagenicity of bay-region diol-epoxides of polycyclic aromatic hydrocarbons by tannic acid, hydroxylated anthraquinones and hydroxylated cinnamic acid derivatives" 1397
Clam
"Polycyclic aromatic hydrocarbons in the clam Tridacna maxima from the Great Barrier Reef, Australia" 491
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
"Total hydrocarbons, polycyclic aromatic hydrocarbons and synthetic organic compounds in the hard shell clam Mercenaria, purchased at commercial seafood stores" 459
Class Separation
"Chemical class separation of organics in shale oil by thin-layer chromatography" 74
"Class separation of higher hydrocarbons by thin-layer chromatography with flame ionization detection" 220
Cleanup
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up- procedure consisting of liquid-liquid and reversed phase (octadecyl)-partitioning" 180
"Oxidative losses of anthracene acenaphthylene and benzo(a)pyrene during florisil and silica gel cleanup using diethyl ether containing peroxides" 124
Clinoptilolite
"Possible carcinogenic hazard of the ceolite clinoptilolite" 1752
Clofibrate
"Effect of dietary clofibrate on epoxide hydrolase activity in tissues of mice" 1544
Clophen A50
"The influence of 18 environmentally relevant polycyclic aromatic hydrocarbons and Clophen A50, as liver monooxygenase inducers, on the mutagenic activity of benz[a]anthracene in the Ames test" 1678
Clotrimazole
"Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon" 1639
Cluster Analysis
"Application of cluster analysis to identify sources of airborne polycyclic aromatic hydrocarbons" 801
Co-carcinogenicity
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1493
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1125

Co-carcinogenicity (cont)
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1124
"Cocarcinogenic and tumor promoting properties of asbestos and other minerals in tracheobronchial epithelium" 1634
"Cocarcinogens of the tumour-promoter type as potential risk factors of cancer in man. A first complete experimental analysis of an etiological model situation and some of its consequences" 1359
"Experimental methods for the detection of the carcinogenicity and/or cocarcinogenicity of inhaled polycyclic-aromatic-hydrocarbon- containing emissions" . 1365
Co-disposal
"Mobility of organic and inorganic constituents from energy and combustion-related wastes under codisposal conditions" 2192
Co-firing
"Cofiring of hazardous wastes in industrial boilers" 2181
"Field tests of industrial boilers cofiring hazardous wastes" 2182
Co-oxidation
"Arachidonic acid-dependent cooxidation. A potential pathway for the activation of chemical carcinogens in vivo" 945
Coal
"Analysis of hydroaromatics in coal-derived synthetic fuels: standard compounds" 217
"Carbonaceous particles in coal combustion stack ash and their interaction with polycyclic aromatic hydrocarbons" 649
"Carcinogenic activity of coal flue gas and fractions thereof" 1413
"Chemical reactivity of polycyclic organic compounds adsorbed on coal fly ash and related solid surfaces. Progress report" 798
"Chemical reactivity of polycyclic aromatic compounds vapor-adsorbed on coal stack ash" 639
"Chemical and toxicological aspects of coal liquefaction and other complex mixtures" 2080
"Chemical analysis and mutational assay of distilled oils from the H-coal direct liquefaction process: A status report" 1990
"Chromosomal abnormalities in soft coal open-cast mining workers" 2151
"Coal emissions: Sources, sizes and status" 603
"Comparative chemical analysis of commercial creosotes and solvent refined coal-II materials by high resolution gas chromatography" 828
"Comparative acute toxicity to aquatic organisms of components of coal-derived synthetic fuels" 1605

Coal (cont)
"Contribution of nitropyrene to the mutagenic activity of coal fly ash" 1343
"Contribution to the interpretation of coal tar pitch measurements at the workplace" 2077
"Environmental contamination due to different strategies of coal use in the Federal Republic of Germany and its effect on human health" 589
"Experimental modeling of cystic formations of the jaw" . 976
"Fractionally distilled SRC-I, SRC-II, EDS, H-coal and ITSL direct coal liquefaction process materials: A comparative summary of chemical analysis and biological testing" 2001
"Health and environmental effects document on direct coal liquefaction, 1983. ORNL/TM-9287" 2064
"Health and environmental effects of complex chemical mixtures: Proceedings" 2061
"Hydrocarbon and azaarene markers of coal transport to aquatic sediments" 239
"Identification of mutagenic constituents in coal-combustion fly ash" 827
"Industrial hygiene monitoring of gaseous, liquid and particulate matter releases at the Catlettsburg, Kentucky H-coal facility: Results and evaluation" 2171
"Influence of carbonaceous particles on the interaction of coal combustion stack ash with organic matter" 650
"Investigation on the carcinogenicity of emission condensate from brown coal-fired residential furnaces applied to mouse skin" 1224
"Mutagenicity of coal tar paints used in drinking water distribution systems" 1867
"Mutagenicity of synfuels materials" 1724
"Mutagenicity and carcinogenicity of polycyclic aromatic enriched fractions from coal liquefaction materials" 1726
"PAH (polycyclic aromatic hydrocarbons) from coal utilization - Emissions and effects" 781
"Personnel and plant area monitoring at the University of Minnesota Duluth gasifier. ORNL/TM-8551" 2063
"Polycyclic aromatic hydrocarbons of coal fly ash: analysis by gas-liquid chromatography using nematic liquid crystals" 786
"Polycyclic aromatic hydrocarbons in Australian coals. II. Novel tetracyclic components from Victorian brown coal" 596
"Preparation of pitch and tar-based carbon pastes" 2035
"Promotion of preneoplastic changes in liver by coal-derived organic mixtures applied to skin" 1779
"Prospects for the analysis of mixtures of polycyclic aromatic compounds by differential pulse voltammetry" ... 192
"Round robin investigation of organic compounds in aqueous leachates of solid wastes: Application to H-coal filter cake leachates" 571

Coal (cont)
"Selection, follow-up, and analysis in the Coke Oven Study" 2133
"Separation of aromatic hydrocarbons using bonded-phase charge-transfer liquid chromatography" 194
"Separation and characterization of very large neutral polycyclic molecules in fossil fuels by microcolumn liquid chromatography and mass spectrometry" 143
"Simplified determination of polycyclic aromatic hydrocarbons" 15
"Studies on emissions from coal burning stoves (sigries) as used in eastern India" 615
"Studies of benzo(a)pyrene carcinogenesis and DNA binding in the presence of complex mixtures" 1385
"Supercritical fluid chromatography/supersonic jet spectroscopy progress report, February 1 - April 30, 1984" 123
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report August 1, 1984 - October 31, 1984" 121
"The leachability of carbon-14-labelled 3-4-benzopyrene from coal ash into aqueous systems" 583
"University of Minnesota-Duluth low-Btu gasifier workplace environment" 2165
"Worker exposure potential at coal conversion facilities" 2062
Coal Ash
"Ecological assessment for coal ash dumped at deepwater dumpsite-106" 470
Coal Coking Wastewaters
"Liquid/suspended solid phase partitioning of polycyclic aromatic hydrocarbons in coal coking wastewaters" 818
Coal Combustion Effluents
"Organic compounds in effluents related to coal combustion" 700
Coal Conversion Facilities
"Worker exposure potential at coal conversion facilities" 2062
Coal Derived Distillate
"High performance liquid chromatographic separation and gas chromatography-mass spectrometric analysis of polar components in coal- derived distillate oil" 167
Coal Devolatilization
"Chemical and biological evaluation of oils and tars produced under various coal devolatilization conditions" 790
Coal Dust
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129

Coal Fired Power Plant
"Emission inventory of coal, peat and oil-fired power plants" 758
"Formation and transformation of particulate polycyclic organic matter emitted from coal-fired power plants and oil shale retorting Final report" 745
"PAH emissions from coal-fired plants" 820
"Characterization of polycyclic organic matter (POM) from coal-fired power plants in the atmosphere and investigations of their transformation in the atmosphere" 746
"Analysis of organic and mineral constituents of fly ash from the Gardanne coal-fired power station" 737
"The relationship of a coal-fired power plant to the levels of polycyclic aromatic hydrocarbons (PAH) in the sediment of Cayuga Lake" 673
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
Coal Fired Furnaces
"The contribution of polycyclic aromatic hydrocarbon fractions with different boiling ranges to the carcinogenic impact of emission condensate from coal fired residential furnaces as evaluated by topical application tothe skin of mice" 1324
"The contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of emission condensate from coal-fired residential furnaces evaluated by topical application to the skin of mice" 1323
Coal Fired Space Heaters
"Characterization of emissions of PAH's (polynuclear aromatic hydrocarbons) from residential coal-fired space heaters" 770
Coal Fly Ash
"The effect of nitrogen dioxide on the photochemical and nonphotochemical degradation of pyrene and benzo(a)pyrene adsorbed on coal fly ash" 832
"Effect of inhalation of coal fly ash on vitamin A distribution in organs of the rat" 873
"The trace analysis of polycyclic aromatic hydrocarbons (PAH) adsorbed on coal fly ash" 2096
Coal Gasification
"Characterization of airborne trace metal and trace organic species from coal gasification" 753
"EPA/AEERL source testing program for coal gasification technologies (Kosovo test site)" 587
"Monitoring polycyclic aromatic hydrocarbons at a coal gasification facility: Preliminary results" 692
"Characterization of major and minor organic pollutants in wastewaters from coal gasification processes" 642

Coal Gasification (cont)
"Cooling tower evaporation of treated coal gasification wastewaters" 2194
"Occupational health study at the KRW Coal Gasification PDU" 2069
Coal Gasifier
"Source discharges and ambient air pollution at the coal gasifier at Kosovo" 585
"Toxicological and chemical characterization of the process stream materials and gas combustion products of an experimental low-BTU coal gasifier" 582
"Source discharges and ambient air pollution at the coal gasifier at Kosovo" 586
Coal Liquefaction
"Preliminary chemical analysis and biological testing of materials from the HRI catalytic two-stage liquefaction (CTSL) process" 715
"Solving environmental challenges of indirect coal liquefaction" 721
"Two-stage coal liquefaction process materials from the Wilsonville facility operated in the nonintegrated and integrated modes: Chemical analyses and biological testing" 713
"Heteroatomic polycyclic aromatic compounds in coal liquefaction process materials" 714
"Environmental effects of coal liquefication, the example of the Bottrop Plant" 631
"Releases of coal liquefaction products in inland waters ORNL/TM-9535" 645
"Chemical basis for reduced biological activity in advanced coal liquefaction processes" 1039
"Health and environmental effects of coal-liquefaction processes: Environmentally acceptable technology development" 2078
"Finding solutions to potential health and environmental problems associated with coal liquefaction materials" ... 2079
"Health and environmental effects of coal-liquefaction processes: Environmentally acceptable technology development" 2078
Coal Liquids
"PAH and soot formation in fuel-rich turbulent coal liquid and natural gas diffusion flames" 806
"Photodegradation of mutagens in solvent-refined coal liquids" 701
"Identification of partially hydrogenated nitrogen-containing polycyclic aromatic hydrocarbons in coal liquids by tandem mass spectrometry" 169
"Chemical composition of tumorigenic and mutagenic fractions of two coal liquids. ORNL/TM-8680" 31
"Synfuels biostudies" 1552
"Toxicological evaluation of materials from the H-coal pilot plant ORNL/TM-9197" 1643

Coal Liquids (cont)
"The distribution of dermal tumorigens in coal liquids: relationship of tumorigenicity and microbial mutagenicity" 1382
"Fractionation of skin tumor-initiating activity in coal liquids" 1553
"Effect of process distillation on mutagenicity and cell-transformation activity of solvent-refined, coal-derived liquids" 1725
"Health and environmental effects of coal-liquefaction processes: Environmentally acceptable technology development" 2078
"Chromatographic chemical characterization of solvent refined coal I and II liquids for toxicological testing" 2002
Coal Oil
"Photolytic and partitioning behaviour of polynyclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 448
"Sunlight photolysis rates of selected neutral azaarenes in aqueous coal-oil systems" 449
"Cytotoxicity and mutagenicity of coal oils in the CHO/HGPRT assay" 1220
Coal Particles
"Studies of the effect of toxic coal particles on model membrane systems. Progress report July 1, 1980-August 31,1981" 949
Coal Refuse Pile
"Investigative air monitoring study at a burning coal refuse pile in Oak Hill, West Virginia" 773
Coal Stack Ash
"Chemical transformation of polycyclic aromatic hydrocarbons vapour-adsorbed on coal stack ash" 822
"Photochemical transformation of pyrene and benzo(a)pyrene vapor-deposited on eight coal stack ashes" 833
Coal Tar
"Partitioning studies of coal-tar constituents in a two-phase contaminated groundwater system" 768
"Steel smelting by coal tar and its significance in environmental pollution" 718
"Determination of selected polycyclic aromatic hydrocarbons in coal tar, coal tar pitch and tar oil products" 716
"Use of gas chromatography for the determination of the composition of anthracene oil, from coal tar" 113
"Ultraviolet spectrophotometric method for the determination of anthracene, naphthalene and pyrene in coal tars" 213
"Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy" 1505
"Contact dermatitis to coal tar" 906

Coal Tar (cont)
"In vivo induction of aryl hydrocarbon hydroxylase in human scalp hair follicles by topical application of a commercial coal tar preparation" 1402
"Effect of crude coal tar in the mouse-tail model of psoriasis" 859
"Inducibility of human hair follicle carcinogen metabolism by a coal tar containing-shampoo" 1641
"Absorption of crude coal tar products in patients with psoriasis" 1892
"Polycyclic aromatic hydrocarbon content of waste products of the coal-tar industry and the mutagenic effect of soot extracts" 1449
"International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 35: Polynuclear Aromatic Compounds, Pt. 4: Bitumens, Coal-Tars, and Derived Products, Shale-oils, andSoots" 2223
"Tar revisited" 2109
"Comparative carcinogenic and mutagenic activity of coal tar and petroleum asphalt paints used in potable water supply systems." 2132
"Human absorption of crude coal tar products" 2153
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
"1-hydroxypyrene in human urine after exposure to coal tar and a coal tar derived product" 2098
"Bacterial assessment of coal tar mutagenicity" 1981
"Risk of contamination of the living and working environment with genotoxic compounds in the processing of black coal tar" 2095
Coal Tar Pitch
"Genetic monitoring of aluminum workers exposed to coal tar pitch volatiles" 2090
"Possibility of a decrease in the 3,4-benzpyrene content in coal tar pitches" 793
"Analysis of polycyclic aromatics in coal-tar and petroleum tar pitches by field desorption mass spectroscopy" 794
"Determination of selected polycyclic aromatic hydrocarbons in coal tar, coal tar pitch and tar oil products" 716
"Spectral proof of the interaction of phenanthrene with coal-tar pitch components" 152
Coal Tar Pitch Volatiles
"Mass-spectrometric study of the volatile part of coal-tar pitches" 592
"Chromatographic techniques for characterization of coal tar pitch volatiles" 18

Coal Tar Pitch Volatiles (cont)
"Mortality among workers exposed to coal tar pitch volatiles and welding emissions: an exercise in epidemiologic triage" 2148
"Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant" 2166
Coal/Oil/Water Mixtures
"Environmental assessment of a firetube boiler firing coal/oil/water mixtures. Volume 1. Technical results NACUREX/TR-81-89/EE- VOL-1" 618
Coastal Environment
"Chemical evidence of differential particle dispersal in the southern Washington coastal environment" 454
Coastal Marinas
"Polynuclear aromatic hydrocarbons in oyster tissue around three coastal marinas" 398
Coastal Waters
"Estimation of mutagenic activities and physicochemical indexes of coastal waters" 367
Cod Egg
"Uptake and elimination of aromatic hydrocarbons and a chlorinated biphenyl in eggs and larvae of cod Gadus morhua" 1011
Cod Larvae
"Uptake and elimination of aromatic hydrocarbons and a chlorinated biphenyl in eggs and larvae of cod Gadus morhua" 1011
Coho Salmon
"Hepatic aryl hydrocarbon hydroxylase activities in coho salmon (Oncorhynchus kisutch) exposed to petroleum hydrocarbons" 880
Coke
"Hygiene of work in main shops of modern coking by-product industry" 2101
"Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay" 2044
"Profiling PAH emissions by open-tubular column gas chromatography with liquid-crystal stationary phases" ... 577
"Selection, follow-up, and analysis in the Coke Oven Study" 2133
Coke Oven
"Biological and chemical testing of coke oven emissions" 607
"Filtration for removal of polycyclic aromatic hydrocarbons from coke oven waste water" 2202
"Selection, follow-up, and analysis in the Coke Oven Study" 2133

Coke Oven Workers
"Detection of benzo(a)pyrene diol epoxide-DNA adducts by synchronous fluorescence spectrophotometry and ultrasensetive enzymatic radioimmunoassay in coke oven workers" 198
"Detection of benzo(a)pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in sera from coke oven workers" 2157
"Detection of benzo[a]pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in serum from coke oven workers" 2087
Coker Gas Oil
"Identification of carbazoles and benzocarbazoles in a coker gas oil and influence of catalytic hydrotreatment on their distribution" 620
"Effect of catalytic hydrotreatments on the distribution of nitrogen compounds in a coker gas oil and in a deasphalted heavy oil" 686
Coking By-product Industry
"Hygiene of work in main shops of modern coking by-product industry" 2101
Coking Industry Wastewater
"Role of bacteria in removal of benzo(a)pyrene from byproduct coking industry wastewater" 2208
Cold Rolling Steel Plant
"Mutagenic/carcinogenic hazards in a cold-rolling steel plant exposed to mineral oils: environmental monitoring phase" 2119
Cold-box Process
"Industrial hygiene and medical studies in cold-box and shell molding processes" 2142
Colloids
"Sorption of polycyclic aromatic hydrocarbons by natural estuarine colloids" 540
Colon
"Influence of anthraquinones on mucus secretions and transport of water and electrolytes in rat colon in-situ" 1515
Colon Cancer
"Induction of colon cancer in inbred Syrian hamsters by intrarectal administration of benzo(a)pyrene, 3-methylcholanthrene and N- methyl-N-nitrosourea" 1963
Colon Carcinogenesis
"The effect of carbon black ingestion on 1,2-dimethylhydrazine-induced colon carcinogenesis in rats and mice" 1727
"Nutritional factors in lung, colon, and prostate carcinogenesis in animal models" 1483

Colored Smoke
"Design and operation of a real-time polynuclear aromatic hydrocarbon (PAH) monitor for the analysis of combustion products formed in the incineration of Navy colored smoke compositions" 722
"Real-time fluorescence analysis of the controlled incineration of army colored smoke compositions" 723
"Investigations of the effluents produced during the functioning of colored smoke devices. II" 598
"Studies on the inhalation toxicity of dyes present in colored smoke munitions. Phase III, Studies: Four-week inhalation exposures of rats to dye aerosols" 1106
Columbia River
"Geochemistry of polycyclic aromatic hydrocarbons in Columbia River and Washington coastal sediments" 455
Column Chromatography
"Determination of polycyclic compounds and their nitro derivatives in exhaust gas particulate by capillary column chromatography" 708
"Polycyclic aromatic hydrocarbons" 34
"Separation of mycotoxins, polycyclic aromatic hydrocarbons, quinones, and heterocyclic compounds on cyclodextrin bonded phases: an alternative LC packing" . 11
"Application of HPLC to the isolation of molecular targets in dosimetry studies" 1079
Combustion
"Analysis of polycyclic aromatic compounds in combustion emissions" 680
"Candidate sampling and analysis methods for twenty-one suspect carcinogens in combustion emissions" 606
"Characterization of emissions from the combustion of wood and alternative fuels in a residential woodstove. NTRI/1914-39-01F" 810
"Combustion of oil shale, fluidized coal and pyrolysis fuel oil residues in a stationary gas turbine" 706
"Design and operation of a real-time polynuclear aromatic hydrocarbon (PAH) monitor for the analysis of combustion products formed in the incineration of Navy colored smoke compositions" 722
"Determination of nitrogen polycyclic aromatic compounds by high performance liquid chromatography (HPLC) and its application to analysis of the combustion gas of heavy oil" 795
"Emission of polycyclic aromatic hydrocarbons with combustion products of hydrocarbon-hydrogen fuel mixtures" 702
"Evaluation of analytical methods for the determination of POHC in combustion products" 87
"Evolution of soot and polycyclic aromatic hydrocarbons from combustion and pyrolysis of polymers and low-molecular weight hydrocarbons" 741

Combustion (cont)
"Mobility of organic and inorganic constituents from energy and combustion-related wastes under codisposal conditions" 2192
"Mutagenic activity of solid emissions of different combustion systems" 1099
"Polycyclic aromatic hydrocarbons, polychlorinated dibenzodioxins, and polychlorinated dibenzofurans from combustion installations - emissions and their control" 576
"Quality assurance program for combustion source studies" 184
"Relative rates and partial combustion products from the burning of chlorobenzenes and chlorobenzene mixtures" ... 811
"Waste oil heaters: organic, inorganic, and bioassay analyses of combustion samples. NEPA-600/D-84-130" 605
Complex Mixtures
"Multidisciplinary approach to identify, characterize and minimize, potential health and environmental problems associated with chemically complex mixtures: A case study" 648
"Genotoxicity of complex mixtures: CHO cell mutagenicity assay NPNL-5337" 1282
"Chemical and toxicological aspects of coal liquefaction and other complex mixtures" 2080
Compost
"Effect of thermally treated wastewater sediment and compost from it on the content of benz(a)pyrene and N-nitroso compounds in the soil and in potatoes" 574
Computer
"Animal studies and prediction of human tumors can be aided by graphical sorting of animal data: neoplastic risk from B(a)P, benzene, benzidine, and chromium" 1425
"Applications of a computerized flow programmer for capillary column gas chromatography" 145
"Artificial intelligence approach to structure-activity studies. Computer automated structure evaluation of biological activity of organic molecules" 1465
"Artificial intelligence and Bayesian decision theory in the prediction of chemical carcinogens" 1797
"Characterization of malodorous volatiles in air using olfactometry and computer assisted capillary-gas chromatography-mass spectrometry" 193
"Computer analysis of toxicological data bases: mutagenicity of aromatic amines in Salmonella tester strains" 1467
"Computer automated evaluation and prediction of the Iball index of carcinogenicity of polycyclic aromatic hydrocarbons" 1468
"Computer-assisted mechanistic structure-activity studies: application to diverse classes of chemical carcinogens" 1538

Computer (cont)
"Computer-assisted mechanistic structure-activity studies: application to diverse classes of chemical carcinogens" 2111
"Evaluation of the mutagenicity and the identification of airborne particulate extracts by a gas chromatography-mass spectrometry computer data system" . 226
"Gas chromatographic-mass spectrometric computer analysis of incinerator wastewaters" 780
"Microcolumn liquid chromatography combined with computer-assisted retention prediction system for polycyclic aromatic hydrocarbons in an extract from diesel particulate matter" 697
"Predicting toxicity through a computer automated structure evaluation program" 1466
"Rates of microbial degradation of petroleum components as determined by computerized capillary gas chromatography and computerized mass spectrometry" 439
"Simple method of computing the partition coefficient" .. 368
"Studies on an automated survey system of environmental chemicals by gas chromatography-mass spectrometry-computer. I. Retrieval system of mass spectra" 175
Concentration
"A comparative study of the concentration of polynuclear aromatic hydrocarbons by open cell polyurethane foams" .. 231
"Concentration, separation and determination of hydrocarbons in seawater" 47
"Isolation and concentration of organic substances from water: an evaluation of supercritical fluid extraction. NEPA/600/1-84/028" 51
Concentration Gradients
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250
Concentration Ratio
"Comment on "Fish/sediment concentration ratios for organic compounds"" 261
"Reply to comment on "Fish/sediment concentration ratios for organic compounds"" 273
"Fish/sediment concentration ratios for organic compounds" 272
Concentrator Columns
"The isolation of some polynuclear aromatic hydrocarbons from aqueous samples by means of reversed-phase concentrator columns" 202
Condensation
"Adsorption and condensation of polycyclic aromatic hydrocarbons on ultrafine soot aerosols" 265

Conformation
"Conformations of non-covalent and covalent polycyclic aromatic diol epoxide-nucleic acid complexes" 62
Conformational Hypothesis
"Mutagenicity of polycyclic aromatic hydrocarbons and amines: a conformational hypothesis" 1138
Conjugation
"Conjugation of benzo(a)pyrene with glutathione in epithelial and fibroblastoid cell lines" 1190
Contact Dermatitis
"Contact dermatitis to coal tar" 906
Contamination
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
Controlled Chamber Studies
"Sources and strengths of indoor pollution. Controlled chamber studies" 743
Conversion
"Conversion of polycyclic aromatic hydrocarbons on diesel particulate matter upon exposure to PPM levels of ozone" 813
"Toxic organic compounds in municipal waste materials: origin, content and conversion in soils and plants" 662
Cooking
"Toxicologic strategy for mutagens formed in foods during cooking: Status and needs" 1351
Cooling Tower Evaporation
"Cooling tower evaporation of treated coal gasification wastewaters" 2194
Copper
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
Copper Smelter
"Evaluation of atmospheric trace species in the vicinity of a copper smelter and a power plant" 835
Copper Tubing
"Polycyclic aromatic hydrocarbons on the inner surfaces of copper tubing" 629
"Analysis of contaminants on the inner surfaces of copper tubing" 54
"Polycyclic aromatic hydrocarbons on the inner surfaces of copper tubing. NNWC-TP-6532" 2068
Corals
"Investigation into the fate of carbon-14-labeled xenobiotics (naphthalene, phenanthrene, 2,4,5,2',4',5'-hexachlorobiphenyl, octachlorostyrene) in Bermudian corals" 493
Coregonus albula
"Seasonal variation of the xenobiotic metabolizing enzyme activities in the liver of male and female Vendace Coregonus-albula" 1533

Corn Roots
"Absorption of benzo(a)pyrene by corn roots and its accumulation in the plants" 534
Coronary Plaques
"Evidence for toxic anthropogenic chemicals in human thrombogenic coronary plaques" 2073
Coronene
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
Correlation
"Correlation between mixed function oxidase enzyme induction and genotoxicity in-vivo" 1334
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
"Studies on correlations among air pollutants" 552
Cost Benefit
"Effectiveness and cost benefit of a luminescence screening procedure for polyaromatic pollutants in ambient air" 206
Coumarin 7-hydroxylase
"Selective induction of coumarin 7-hydroxylase by pyrazole in D-2 mice" 929
Crab
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858
Crankcase Oil
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
Crassostrea virginica
"Simultaneous accumulations of naphthalene, a PCB mixture, and benzo(a)pyrene, by the oyster, Crassostrea virginica" 897
Creosote
"Chemical health risks in pressure treatment (of wood). A study of three CCA and 3 creosote treatment plants" ... 2041
"Comparative chemical analysis of commercial creosotes and solvent refined coal-II materials by high resolution gas chromatography" 828
"Environmental feasibility of using creosote contaminated soil and sludges in roadway paving structures" 573
"Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood" 2053
"Groundwater quality at a creosote waste site" 245

Creosote (cont)
"Migration of wood-preserving chemicals in contaminated groundwater in a sand aquifer at Pensacola, Florida" 313
"Open burning of creosote treated rail ties: a case study in health risk assessment" 2047
"The presence of the mutagenic polycyclic aromatic hydrocarbons benzo(a)pyrene and benz(a)anthracene in creosote P1" 588
"Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 967
Cricetulus
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
"Mutagenicity of nitrofluoranthenes, 3-aminofluoranthene and 1-nitropyrene in Chinese hamster V79 cells" 1104
Croaker
"Correlation of epizootiological observations with experimental data chemical induction of chromatophoromas in the Croaker Nibea- Mitsukurii" 1454
Crossing Over
"Effect of intercalating mutagens on crossing-over in Drosophila- melanogaster females" 1041
Crude Oil
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 2. Behavior of penetration and persistence of crude oil hydrocarbons in tidal flat sediments after artificial contamination"..... 525
"Fingerprinting of crude oil spills" 46
"Comparative analysis and identification of carbazole derivatives extracted from two crude oils originating from Congo" 685
"Determination of series of aromatic isomers by high resolution spectrofluorometry and capillary gas chromatography in HPLC fractions of crude petroleums and sedimentary rock extracts" 638
"Partition coefficients as a measure of bioconcentration potential of crude oil compounds in fish and shellfish" . 434
"Carbazoles of Surakhany crude oil" 636
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
"Microbial degradation of alkyl carbazoles in Norman Wells crude oil" 290
"Microbial degradation of alkyl carbazoles in Norman Wells crude oil" 291

Crude Oil (cont)
"Biodegradation of aromatic hydrocarbons in crude oils from the Barrow Sub-basin of Western Australia" 533
"Direct determination of the phenanthrene and methylphenanthrene isomer distribution in crude oils by multidimensional capillary GC" 170
"Photooxidative behavior of crude oils relative to sea pollution. Part I. Comparative study of various crude oils and model systems" 800
"Application of steam distillation in the determination of petroleum hydrocarbons in water and mussels (Mytilus edulis) from dosing experiments with crude oil" 50
"Effects of ingestion of Hibernia and Prudhoe Bay crude oils on hepatic and renal mixed-function oxidase in nestling herring gulls (Larus-argentatus)" 954
Cucurbitacin B
"Effects of cucurbitacin B and peonol on the metabolism of benzo(a)pyrene in the microsome of rat liver" 1388
Cunninghamella elegans
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella elegans" 872
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella-elegans" 871
Curative Muds
"Benzo(a)pyrene in Estonian curative muds" 362
Curing Smoke
"Polycyclic aromatic compounds in curing smoke" 601
Cutaneous Metabolism
"Altered patterns of cutaneous xenobiotic metabolism in UVB-induced squamous cell carcinoma in SKH-1 hairless mice" 1200
Cutaneous Monooxygenase
"Topically applied nitropyrenes are potent inducers of cutaneous and hepatic monooxygenases" 844
Cutting Oils
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
Cyanobacterium
"Mutagenic and plasmid-eliminating action of acridine orange in the cyanobacterium Nostoc" 1485
"Oxidation of phenanthrene by the marine Cyanobacterium Agmenellum- Quadruplicatum strain PR-6" 982
Cyclic Alcohol Derivatives
"Direct enantiomeric resolution of cyclic alcohol derivatives of polycyclic aromatic hydrocarbons by chiral stationary phase high- performance liquid chromatography" 222
Cycling
"Cycling of polynuclear aromatic hydrocarbons in the Great Lakes ecosystem" 326

Cyclodextrin Bonded Phases
"Separation of mycotoxins, polycyclic aromatic hydrocarbons, quinones, and heterocyclic compounds on cyclodextrin bonded phases: an alternative LC packing" . 11
"Liquid chromatographic separation of diastereomers and structural isomers on cyclodextrin-bonded phases" 13
"Cyclodextrin bonded phases for the liquid chromatographic separation of optical geometrical and structural isomers" 12
Cyprinid Kidney Cells
"Carcinogenic-mutagenic chemicals induced chromosomal aberrations in the kidney cells of three cyprinids" 1052
Cyprinus carpio
"Xenobiotic and endobiotic induction of mixed function monooxygenases in carp Cyprinus-carpio" 1005
Cyproterone Acetate
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205
Cysteine
"Metabolic activation of benzo(a)pyrene 7 8 dihydrodiol and benzo(a)pyrene 7 8 dihydrodiol 9 10 epoxide to protein binding products and the inhibitory effect of glutathione and cysteine" 1422
Cytochrome b5
"Involvement of cytochrome b5 in the hepatic microsomal metabolism of benzo(a)pyrene" 1219
Cytochrome P-440
"Post natal development of constitutive forms of cytochrome P-440 in liver microsomes of male and female rats" 1551
Cytochrome P-448
"Role of cytochrome P-448 in 3,4-benzo(a)pyrene metabolism in inbred mouse liver microsomes, induced by different xenobiotics" 1611
"The homogeneity of rat liver microsomal cytochrome P-448 activity and its role in the activation of benzo[a]pyrene to mutagens" 1739
"Induction of cytochrome P-448 in cultured fetal rat hepatocytes by benz(a)anthracene and dexamethasone" 1572
"Opposite stereoselectivity of cytochrome P-448 in catalyzing the formation of benz(a)anthracene and 7,12-dimethylbenz(a)anthracene K-region epoxides" 1647
"Catalytic activity of cytochrome P-448 in native and reconstituted microsomal membranes" 1326
"Cytochrome P-448 and the activation of toxic chemicals and carcinogens" 1409
"The properties of highly purified cytochrome P-448 and its dependent activity benzo(a)pyrene hydroxylase from saccharomyces-cerevisiae" 941

Cytochrome P-450
"Metabolic activation of polycyclic aromatic hydrocarbons by fish liver cytochrome P-450" 841
"Aryl hydrocarbons as inducers of cytochrome P-450 in Acinetobacter calcoaceticus" 845
"Differential stereoselectivity of cytochromes P-450b and P-450c in the formation of naphthalene and anthracene 1,2-oxides. The role of epoxide hydrolase in determining the enantiomer composition of the 1,2-dihydrodiolsformed" 199
"Presence of cytochrome P-450-dependent monooxygenase in intimal cells of the hog aorta" 838
"Characterization of cytochrome P-450-dependent promutagen activation in two species of marine fish" 964
"Effects of acetylenic and olefinic pyrenes upon cytochrome P-450 dependent benzo(a)pyrene hydroxylase activity in liver microsomes" 901
"Identification and quantification of a messenger ribonucleic acid induced by polynuclear aromatic hydrocarbons--using a cloned human cytochrome P-450 gene" 935
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Catalytic properties of cytochrome P 450 in hepatopancreas of the spiny lobster, Panulirus argus" ... 925
"The mechanistic plurality of cytochrome P-450 and its biological ramifications" 864
"Participation of cytochrome P-450 in reductive metabolism of 1-nitropyrene by rat liver microsomes" 1808
"Specificity of cytochrome P-450 isoforms contained in endoplasmic reticulum membranes and nuclear membranes in relation to benzo(a)pyrene" 1851
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
"Binding of benzo[a]pyrene by purified cytochrome P-450c" 1562
"The metabolism of genotoxic substances" 1518
"Genetic variation in cytochrome P-450 and xenobiotic metabolism in Drosophila-melanogaster" 1331
"Studies on cytochrome P-450 induced by benz(a)anthracene in mouse skin microsomes" 1405
"Human P1-450 gene sequence and correlation of mRNA with genetic differences in benzo[a]pyrene metabolism" 1415
"Comparison of aryl hydrocarbon hydroxylase and acetanilide 4-hydroxylase induction by polycyclic aromatic compounds in human and mouse cell lines" 1416

Cytochrome P-450 (cont)
"Covalent binding of benzo[a]pyrene to cytochrome P-450 beta NF-B2 and other proteins in reconstituted mixed-function oxidase systems" 1831
"Increases in benzo(a)pyrene metabolism and cytochrome P-4506 content in alveolar type II cells isolated from tetrachlorodibenzo-dioxin treated rabbits" 1226
"Metabolism of benzo(a)pyrene by cytochrome P-450, form 6, in rabbit lung" 1239
"Selectivity in the binding of hydroxylated benzo[a]pyrene derivatives to purified cytochrome P-450c" 1945
"Binding and metabolism of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by seven purified forms of cytochrome P 450" 1991
"Cytochrome P-450-catalyzed stereoselective epoxidation at the K region of benz(a)anthracene and benzo(a)pyrene" 2014
"Specificity of four forms of cytochrome P 450 in the metabolic activation of several aromatic amines and benzo(a)pyrene" 2012
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129
Cytochrome P-450c
"Stereoselectivity of cytochrome P-450-C in the formation of naphthalene and anthracene 1 2-oxides" 200
"Implication of the "4S" polycyclic aromatic hydrocarbon binding protein in the transregulation of rat cytochrome P-450c expression" 1389
"Selectivity in the binding of hydroxylated benzo[a]pyrene derivatives to purified cytochrome P-450c" 1945
Cytodifferentiation
"Induction of cytodifferentiation in C3H/10T1/2 mouse embryo cells by X-irradiation and benzo(a)pyrene" 1328
Cytogenetic Analysis
"Cytogenetic analysis of peripheral blood lymphocytes in glass workers occupationally exposed to mineral oils" ... 2150
Cytosolic Fractions
"Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung" 983
Cytostatic Drug Activity
"Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals" 1198
Cytotoxicity
"An evaluation of the utility of four in vitro short term tests for predicting the cytotoxicity of individual compounds derived from tobacco smoke" 1192

Cytotoxicity (cont)
"Cytotoxic and mutagenic effects of 1-nitropyrene and 1-nitrosopyrene in diploid human fibroblasts" 1718
"Cytotoxicity and mutagenicity of coal oils in the CHO/HGPRT assay" 1220
"Cytotoxicity of benzo(a)pyrene diol epoxide is associated with premature arrest of nascent strand elongation in serum-stimulated monkey kidney cells" 1937
"Cytotoxicity of fine particles with and without adsorbed polycyclic aromatic hydrocarbons using Chinese hamster lung cells (V79)" 2027
"Cytotoxicity/genotoxicity: the application of cell culture techniques to the measurement of marine sediment pollution" 1473
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772
"Human cell-mediated cytotoxicity and mutagenicity of the nitrogen heterocyclic 7H-dibenzo(c,g)carbazole (DBC)" 1708
"Modification of glutathione levels in C-3H-10-T-1-2 cells and its relationship to benzo(a)pyrene anti-7 8 dihydrodiol-9 10-epoxide induced cytotoxicity" 1378
"The effects of glutathione on benzo(a)pyrene-induced cytotoxicity and mutagenicity in the CHO-HGPRT hypoxanthine-guanine phosphoribosyltransferase assay" .. 1774
"The effects of cell cycle position on the cytotoxicity and mutagenicity of benzo(a)pyrene in cultured Chinese hamster cells" 1684
D-2 Mice
"Selective induction of coumarin 7-hydroxylase by pyrazole in D-2 mice" 929
D-T Diaphorase
"D-T diaphorase and NAD(P)H-NBT reductase activation. A biochemical and histochemical response of the lymph nodes of the rat to the administration of polycyclic hydrocarbons" 1838
Dairy Products
"Determination of polycyclic aromatic hydrocarbons in Canadian samples of processed vegetable and dairy products by liquid chromatography with fluorescence detection" 382

Daphnia magna
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
"Toxicity of organic mixtures saturated in water to Daphnia magna. Effect of compositional changes" 1896
Daphnia pulex
"Toxicity of polyaromatic hydrocarbons and alkyl halides in Great Lakes fish to Daphnia Pulex" 1876
"Solar radiation-induced toxicity of anthracene to Daphnia Pulex" 1057
"Quantitative structure-activity relationships for polycyclic aromatic hydrocarbons: correlation between molecular connectivity, physio-chemical properties, bioconcentration and toxicity in Daphnia Pulex" 1316
Data Base
"Toxicity of polycyclic aromatic hydrocarbons 1978-1983 (Citations from the Life Sciences collection data base)" 2233
DDT
"Effect of induction by DDT on metabolism and mutagenicity of benzo[a]pyrene" 1121
Deactivation
"Metabolic activation and deactivation of mutagens by preparations of human lung parenchyma and bronchial tree" 1210
Deasphalted Heavy Oil
"Effect of catalytic hydrotreatments on the distribution of nitrogen compounds in a coker gas oil and in a deasphalted heavy oil" 686
Decomposition
"Factors which influence polycyclic aromatic hydrocarbon decomposition on wood smoke particles" 358
"Factors which influence PAH decomposition on wood smoke particles" 357
"Studies on comparative decomposition rate by rat liver homogenate and on micronucleus test of nitrated polycyclic aromatic hydrocarbons" 987
Degradation
"Behavior of some organic micropollutants in river sediments and groundwater" 472
"Chemical and photochemical degradation of polycyclic aromatic hydrocarbons in the atmosphere" 522
"Degradation and mineralization of the polycyclic aromatic hydrocarbons anthracene and naphthalene in intertidal marine sediments" 243
"Degradation of polycyclic aromatic hydrocarbons during simulated stack gas sampling" 28
"Degradation of some polycyclic aromatic hydrocarbons by a plasmid- containing flavobacterium species" 294
"Degradation of soil applied organic compounds from three petroleum wastes" 266

Degradation (cont)
"Distribution and microbial degradation of the carcinogenic hydrocarbon benzo(a)pyrene in open waters of the Baltic Sea" 515
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
"Favorable interaction between photooxidation and bacterial degradation of anthracene in sea water" 469
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435
"Ground water pollution by organic solvents and their microbial degradation products" 254
"Influence of microbial adaptation on the fate of organic pollutants in groundwater" 542
"Intervention of the digestive flora in the degradation of benzo(a)pyrene" 1755
"Microbial degradation of selected aromatics in a hazardous waste site" 383
"Microbial effect on the degradation of polycyclic aromatic hydrocarbons in soils irrigated with wastewater" 391
"Phenanthrene degradation by Beijerinckia sp. B8/36" 1018
"Rates of microbial degradation of petroleum components as determined by computerized capillary gas chromatography and computerized mass spectrometry" 439
"Sensitivity of schemes for ecotoxicological hazard ranking of chemicals" 1462
"The effect of nitrogen dioxide on the photochemical and nonphotochemical degradation of pyrene and benzo(a)pyrene adsorbed on coal fly ash" 832
Dehydrogenase Deficiency
"Modulatory effect of glucose-6-phosphate dehydrogenase deficiency on benzo(a)pyrene toxicity and transforming activity for in vitro-cultured human skin fibroblasts" . 1270
Denaturation
"Denaturation of nucleic-acids induced by intercalating agents biochemical and biophysical properties of acridine orange-DNA complexes" 932
Depletion
"Carcinogen-induced depletion of cutaneous Langerhans cells" 1642
Deposition
"Annual rates of deposition of polycyclic aromatic hydrocarbons in different forest ecosystems" 403
"Deposition fluxes of lead, cadmium, copper and polynuclear aromatic hydrocarbons (PAH) on the verges of a major highway" 664
"Evidence of deposition of anthropogenic pollutants in remote Rocky Mountain lakes" 330

Depuration
"Periodic depuration of anthracene metabolites by Rainbow trout" 1531
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
Depurination
"Depurination of benzo(a)pyrene-diolepoxide treated DNA" 1703
Dermal Contact
"A multisample apparatus for kinetic evaluation of skin penetration in vitro: the influence of viability and metabolic status of the skin" 1381
"In vivo induction of aryl hydrocarbon hydroxylase in human scalp hair follicles by topical application of a commercial coal tar preparation" 1402
"Skin penetration and metabolism of topically applied chemicals in six mammalian species, including man: an in vitro study with benzo[a]pyrene and testosterone" 931
"Local application to mouse skin as a carcinogen specific test system for non-volatile nitroso compounds" 1225
"Sebaceous gland tumors caused by a single dose of dimethylbenz(a) anthracene to mouse skin" 1788
"Kinetics of benzo(a)pyrene penetration into the mouse skin after treatment with various phenols" 1854
"Comparison of the effects of different carcinogens on rat skin" 2023
"1-hydroxypyrene in human urine after exposure to coal tar and a coal tar derived product" 2098
Dermal Fibroblasts
"The induction and inhibition of benzo(a)pyrene metabolism in human epidermal keratinocytes and dermal fibroblasts" 882
Dermal Toxicity
"Promotion of preneoplastic changes in liver by coal-derived organic mixtures applied to skin" 1779
Dermatitis
"Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy" 1505
"Toxic melanodermitis of Hoffman-Haberman" 1148
Desorption
"Behavior of some organic micropollutants in river sediments and groundwater" 472
"Effects of vapor pressure of polycyclic aromatic hydrocarbons on their adsorption/desorption between vapor phase and particulate phase in ambient air" 553
Destruction
"Formation and destruction of organic pollutants in thermal systems and flames" 711
"The design and demonstration of a fluidized bed incinerator for the destruction of hazardous organic materials in soils" 2193

Detection
"3-dimensional fluorometry for the detection of DNA adducts" 139
"A simple test system (UMU test) for the detection of environmental mutagens. 2. Improvement of sensetivity by employing salmonella typhimurium TA1535 as a host strain" 1688
"Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence" 176
"Detection of polycyclic aromatic hydrocarbons at different natural microparticulate level by laser microprobe mass analysis (LAMMA)" 204
"Detection and identification of organic substance by GC/MS spectrometry. IV. Leachate from final disposal site for industrial waste" 668
"Detection of benzo(a)pyrene:DNA adducts in human white blood cells" 172
"Detection of specific nitrogen-containing compounds by room temperature phosphorescence" 1
"Detection of polycyclic aromatic hydrocarbons by active nitrogen-induced chemiluminescence" 99
"Detection of polynuclear aromatic hydrocarbons in shellfishes, seabottom sediments and sea water by high performance liquid chromatography" 514
"Detection of benzo(a)pyrene diol epoxide-DNA adducts by synchronous fluorescence spectrophotometry and ultrasensetive enzymatic radioimmunoassay in coke oven workers" 198
"Detection of potential carcinogens, nitro-substituted polynuclear aromatic hydrocarbons, in atmospheric particulates of Beijing area" 548
"Detection of the metabolism of polycyclic aromatic hydrocarbon derivatives to ultimate carcinogens during lipid peroxidation" 1231
"Detection of benzo[a]pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in serum from coke oven workers" 2087
"Miniature fluorometric photodiode array detection system for capillary chromatography" 64
"Negative ion chemical ionization mass spectrometry - a useful technique for the selective detection of polar substituted polycyclic aromatic hydrocarbons with mutagenic properties" 146
"Polycyclic aromatic hydrocarbon-DNA adducts. Formation, detection, and characterization" 88
"The detection of polycyclic aromatic hydrocarbons by high-pressure liquid chromatography" 103

Detection (cont)
"Ultraviolet resonance raman spectrometry for detection and speciation of trace polycyclic aromatic hydrocarbons" 14
"Use of the micronuclear test as a rapid method for detection of potential blastomogenicity of asbestos-containing and other mineral fibers" 1955
Detoxification
"Enzymatic activation and detoxication of polycyclic aromatic hydrocarbons" 1408
"Fungal metabolism and detoxification of 1 nitropyrene" . 867
"Fungal metabolism and detoxification of the nitropolycyclic aromatic hydrocarbon 1-nitropyrene" 868
"Fungal metabolism and detoxification of polycyclic aromatic hydrocarbons" 870
"Mutagenicity of quinones pathways of metabolic activation and detoxification" 1173
"Quantitative microspectrofluorometry and pharmacokinetics single living cells application to the study of factors influencing the kinetics of the cell detoxification system" 1817
Detroit River
"Preliminary assessment of contaminants in soft sediments of the Detroit River" 288
"Trace organic contaminants in the Detroit River" 356
"Distribution of hydrocarbons and chlorinated hydrocarbons in various phases of the Detroit River" 452
"Microtox toxicity test results for water samples from the Detroit River" 1784
Development
"Effects of temperature, feeding and acridine on development and mortality of eggs and nauplii of Diaptomus clavipes Schacht" 1183
"Effects of acridine and temperature on the survival, development growth and reproduction of Diaptomus Clavipes Schacht" 1185
Developmental Control
"Developmental control of the xenobiotic metabolizing enzyme system in the chick embryo" 1333
Diaptomus clavipes Schacht
"Effects of temperature, feeding and acridine on development and mortality of eggs and nauplii of Diaptomus clavipes Schacht" 1183
"Effects of temperature, feeding and acridine on reproduction of the calanoid copepod, Diaptomus clavipes Schacht" 1184
"Effects of acridine and temperature on the survival, development growth and reproduction of Diaptomus Clavipes Schacht" 1185

Dibenz(a,h)anthracene
"Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols" 1695
"Distribution of hydrocarbons and chlorinated hydrocarbons in various phases of the Detroit River" 452
"DNA adduct formation of dibenz(a,h)anthracene in-vitro and in-vivo" 1534
"Immission and emission measurement of carcinogenic substances" 594
"Immission measurements in densely populated and industrialized areas. Results of measurements in the Erft district and in the southern part of the Neuss district in 1983" 691
Dibenz(a,j)acridine
"Metabolism of dibenz(a,j)acridine by Sprague-Dawley rat liver microsomes" 1036
"Pulmonary metabolism of dibenz(a,j)acridine" 1970
"The metabolism of dibenz(a,j)acridine in the isolated perfused lung" 1969
Dibenzo(a,e)fluoranthene
"Possible involvement of a vicinal non-bay-region dihydrodiolepoxide in the activation of dibenzo(a,e)fluoranthene into bacterial mutagens" 1554
Dibenzo(a,h)anthracene
"Effects of ellipticine, flavone, and 7,8-benzoflavone upon 7,12-dimethylbenz[a]anthracene, 7,14-dimethyldibenzo[a,h]anthracene and dibenzo[a,h]anthracene initiated skin tumors in mice" ... 1058
Dibenzofuran
"Effects of chlorinated dibenzofuran and dioxin on concentration and pattern of chlorobiphenyls and activity of benzo(a)pyrene hydroxylation in mice" 1648
Diels-Alder Adducts
"PMR spectral studies of Diels-Alder adducts anthracene-crotonic-acid anthracene-fumaric-acid and Beta naphthol-fumaric-acid" 179
Diesel Emissions
"Control of pollutant emission from diesel engine vehicles by fuel modification (Part 4). Effect of fuel composition on the emission of benzo(a)pyrene" 750
"Identification of oxygenated polycyclic aromatic hydrocarbons in diesel particulate matter by capillary gas chromatography and capillary gas chromatography/mass spectrometry" 772
"Chemical characterization and toxicologic evaluation of airborne mixtures. Chemical and physical characterization of diesel fuel smoke. NORNL/TM-9196" . 694
"Microcolumn liquid chromatography combined with computer-assisted retention prediction system for polycyclic aromatic hydrocarbons in an extract from diesel particulate matter" 697

Diesel Emissions (cont)
"Formation of hazardous substances and mutagenicity of PAH produced during the combustion process in a diesel engine" 672
"Identification and quantification of highly mutagenic nitroacetoxypyrenes and nitrohydroxypyrenes in diesel-exhaust particles" 727
"Qualitative identification of polycyclic aromatic hydrocarbons by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 32
"Capillary column gas chromatographic determination of nitro polycyclic aromatic compounds in particulate extracts" 33
"High-speed micro-HPLC for analysis of polycyclic aromatic hydrocarbons in environmental samples" 352
"The identification of nitrated polycyclic aromatic hydrocarbons in diesel particulate extracts and their potential formation as artifacts during particulate collection" 665
"Polar polynuclear aromatic hydrocarbon derivatives in extracts of particulates: biological characterization and techniques for chemical analysis" 171
"Fractionation of diesel particle extracts by sephadex LH-20 and thin-layer chromatography" 20
"Cooperative evaluation of methods for the analysis of PAH in extracts from diesel particulate emissions" 52
"Reduction of PAH (polycyclo aromatic hydrocarbons) emitted from a diesel engine" 637
"Ames assay chromatograms and the identification of mutagens in diesel particle extracts" 1816
"Effect of prolonged exposure to carbon black particles on the pulmonary clearance of inhaled diesel particles" . 1510
"Isolation, identification and bacterial mutagenicity of 2-nitro-9-fluorenone from diesel-exhaust particle extracts" 1094
"In vivo metabolism, disposition and macromolecular binding of 1-nitro(14C)pyrene vapour-coated onto diesel particulates" 1081
"Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification" 2229
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemiluminescent detection" 2172
"Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay" 2044
"Diesel exhaust exposure and lung cancer: a case--control study" 2085
"Measurement of exhaust emissions from diesel-powered forklifts during operations in ammunition storage magazines NPN-3611" 2160

Diesel Emissions (cont)
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129
"Health effects of diesel exhaust. A contemporary air pollution issue" 2116
Diesel Engine
"Reduction of PAH (polycyclo aromatic hydrocarbons) emitted from a diesel engine" 637
"Similarity of some organic compounds in spark-ignition and diesel engine particulate extracts" 581
"Measurements of polycyclic aromatic compounds in the cylinder of an operating diesel engine. NEPA/600/D-85/012" 704
"Formation of hazardous substances and mutagenicity of PAH produced during the combustion process in a diesel engine" 672
"Quantitative biological and chemical analysis of particulate emissions from diesel and internal-combustion engines" 787
"In situ emission levels of carcinogenic and mutagenic compounds from diesel and gasoline engine vehicles on an expressway" 661
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
Diesel Exhaust
"Analysis of polycyclic aromatic hydrocarbons in diesel engine exhaust" 808
"Quantitation of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter by high-performance liquid chromatography fractionation and high-resolution gas chromatography" 803
"Quantitative analysis of polycyclic aromatic compounds in diesel exhaust particulate extracts by combined chromatographic techniques" 805
"Determination of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter and diesel fuel oil" .. 749
"Identification of nitroarenes in diesel exhaust particulates" 703
"Solvents and techniques for the extraction of polynuclear aromatic hydrocarbons from filter samples of diesel exhaust" 590
"The effect of diesel fuel aromaticity on polynuclear aromatic hydrocarbon exhaust emissions" 738
"Determination of 1-nitropyrene by thin-layer chromatography in a diesel exhaust particulate extract" . 593
"Analysis of nitro-PAHs in diesel exhaust particulate extracts with multicolumn HPLC" 719

Diesel Exhaust (cont)
"Microcomputer-assisted retention prediction system in reversed-phase HPLC" 95
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"Possible biological fate of inhaled pollutants: interactions with biological molecules and chemical carcinogens" 1523
"GC/MS and MS/MS studies of diesel exhaust mutagenicity and emissions from chemically-defined fuels" 1369
"Contribution of 1-nitropyrene metabolites to mutagenic activity of diesel particulate" 1100
"Metabolism of 1-(14C)nitropyrene in respiratory tract tissue of rats exposed to diesel exhaust" 1119
"Chemical and biological properties of diesel exhaust particles collected during selected segments of a simulated driving cycle" 1093
Diesel Fuel
"Identification and quantification of diesel fuel components derived from off-shore drilling operation discharges" 676
"Determination of basic nitrogenous components in Shengli (China) and California (USA) straight run diesel fuels (204-360.degree.C) by gas chromatography" 681
"The effect of diesel fuel aromaticity on polynuclear aromatic hydrocarbon exhaust emissions" 738
Diesel Fuel Smoke
"Chemical characterization and toxicologic evaluation of airborne mixtures. Chemical and physical characterization of diesel fuel smoke. NORNL/TM-9196" . 694
Diesel Oil
"Polycyclic aromatic hydrocarbon accumulation and sensory evaluation of lobsters (Homarus americanus) exposed to diesel oil, Arnold's Cove, Newfoundland" 541
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
Diesel Particulates
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemi luminescent detection" 834
"Conversion of polycyclic aromatic hydrocarbons on diesel particulate matter upon exposure to PPM levels of ozone" 813
"The identification of nitrated polycyclic aromatic hydrocarbons in diesel particulate extracts and their potential formation as artifacts during particulate collection" 665
"Photodecomposition of 1-nitropyrene and other direct-acting mutagens extracted from diesel-exhaust particulates" 788

Diesel Particulates (cont)
"Conversion of polycyclic aromatic hydrocarbons on diesel particulate matter upon exposure to ppm levels of ozone" 528
"Aryl hydrocarbon hydroxylase induction in rat pulmonary alveolar macrophages (PAMs) by diesel particulates and their extracts" 874
Diesel Soot
"Determination of nitro-polynuclear aromatic hydrocarbons in diesel soot by liquid chromatography with fluorescence and electrochemical detection" 726
Diet
"Evidence for polynuclear aromatic hydrocarbons in the diet of bottom-feeding fish" 393
Dietary Exposure
"Hepatocarcinogenicity of benzo[a]pyrene to rainbow trout by dietary exposure and intraperitoneal injection" 1370
Dietary Fats
"Effects of dietary fats and butylated hydroxytoluene (BHT) on hepatic activation of benzo(a)pyrene, 2-acetylaminofluorene and 2- aminofluorene" 1746
"Effects of dietary fats and butylated hydroxytoluene on mutagen activation in rats" 1747
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administered to rats in different amounts of dietary fat" 950
Dietary Seaweed
"Dietary seaweed Laminaria and mammary carcinogenesis in rats" 1921
Diethylnitrosamine
"Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth" 1730
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767
Diffusion Flames
"PAH and soot formation in fuel-rich turbulent coal liquid and natural gas diffusion flames" 806
Digestive Cells
"The fine structure of lysosomal membranes and endoplasmic reticulum in the digestive cells of Mytilus edulis exposed to anthracene and phenanthrene" 1679
Digestive Flora
"Intervention of the digestive flora in the degradation of benzo(a)pyrene" 1755
Digestive Tract
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 1754
"Fate of benzo(a)pyrene in the digestive tract. 2. Appearance of metabolites" 1050

Digestive Tract (cont)
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 995
Dimethylbenz(a)anthracene
"Benzo(e)pyrene induced alterations in the stereoselectivity of activation of 7-12-dimethylbenz(a)anthracene to DNA-binding metabolites in hamster embryo cell cultures" 1879
"Benzo(e)pyrene-induced alterations in the binding of 7,12-dimethylbenz(a)anthracene to DNA in hamster embryo cell cultures" 1878
"Beta carotene prevents dimethylbenz(a)anthracene-induced tumors" 1781
"Corn oil and its minor constituents as inhibitors of 7-12-dimethyl- benz(a)anthracene induced chromosomal breaks in-vivo" 1756
"Inhibition of 7-12-dimethylbenz(a)anthracene induced rat mammary carcinogenesis by concomitant of post carciogen anti oxidant exposure" 1579
"Prophylaxis of 7-12-dimethylbenz(a)anthracene induced mammary carcinoma by a single dose of 7-Alpha ethynylestriol" 1514
"Sebaceous gland tumors caused by a single dose of dimethylbenz(a) anthracene to mouse skin" 1788
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene- induced breast cancer in rats" 1740
"The effect of the short dose schedule of 7-12-dimethylbenz(a) anthracene application in inducing lingual neoplasia in inbred Syrian hamsters" 1563
"Tyrosine protein kinase activity in the 7-12-dimethylbenz(a) anthracene-induced rat mammary tumor inhibition by quercetin" 1522
Dinitrogen Pentoxide
"Formation of nitroarenes from the reaction of polycyclic aromatic hydrocarbons with dinitrogen pentoxide" 148
Dinitropyrene
"Dinitropyrene-resistant Salmonella typhimurium are deficient in an acetyl-CoA acetyltransferase" 988
"Identification of nitroarenes in diesel exhaust particulates" 703
"Induction of sarcomas in rats by subcutaneous injection of dinitropyrenes" 1693
"Induction of 6-thioguanine resistance, chromosome aberrations and SCE by dinitropyrenes in Chinese hamster ovary cells in vitro" 1251
"Metabolic activation of mutagenic and carcinogenic dinitropyrenes" 1098

Dinitropyrene (cont)
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802
"Mutagenicity of combustion products in kerosine heater emission" 1490
"Preparation of pure isomers of di nitro pyrenes" 76
"Synthesis of pure dinitropyrenes" 667
"Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene" 1276
"Synthesis and mutagenicity of suspected intermediates in the nitroreduction of 1,6- and 1,8-dinitropyrene" 1275
Diode Array Spectroscopy
"Determination of polycyclic aromatic hydrocarbons in biomass gasifier effluents with liquid chromatography/diode array spectroscopy" 619
Diol Epoxide Metabolites
"Synthesis of biologically active diol epoxide metabolites of carcinogenic polycyclic hydrocarbons" 1345
Diospyros kaki L
"Variations in the content of polycyclic aromatic hydrocarbons (PAH) in kaki (Diospyros kaki L.) fruits" .. 418
Diregion Theory
"Diregion theory - new concept for quantitative structure/carcinogenic activity relation and mechanism of chemical carcinogenesis" 1194
"Physiological and chemical basis of the diregion theory and pattern recognition of carcinogenic activities of polycyclic aromatic hydrocarbons" 1154
Disappearance
"Formation and disappearance of benzo[a]pyrene DNA-adducts in mouse epidermis" 1227
Disposal Pits
"Organic compounds in soils and sediments from unlined waste disposal pits for natural gas production and processing" 614
"Hazardous organic compounds in liquid wastes from disposal pits for production of natural gas" 613
Disposal Site
"Detection and identification of organic substance by GC/MS spectrometry. IV. Leachate from final disposal site for industrial waste" 668
Disposition
"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417
"A comparative study on the disposition of 3 aromatic hydrocarbons in flounder Platichthys-flesus" 1010
"Disposition of anthracene in the water and Aufwuchs matricies of a large outdoor channel microcosm: A data set for mathematical simulation models" 257

Disposition (cont)
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888
"Temperature-dependent disposition of [14C]benzo(a)pyrene in the spiny lobster, Panulirus argus" 961
Dissociation
"Interactions between polycyclic aromatic hydrocarbons and dissolved humic material: binding and dissociation" . 407
Dissociation Kinetics
"Dissociation kinetics of DNA-anthracycline and DNA-anthraquinone complexes determined by stopped-flow spectrophotometry" 902
Dissolved Organic Carbon
"Reverse-phase separation method for determining pollutant binding to Aldrich humic acid and dissolved organic carbon of natural waters" 379
Distribution
"A major wintertime (1983) pollution episode: analysis of the accumulation and partial distribution of the organic fraction" 389
"A major wintertime (1983) pollution episode in northern New Jersey: Analyses of the accumulation and spatial distribution of inhalable particulate matter, extractable organic matter and other species" 390
"Activity and distribution of phenanthrene-degrading bacteria in the Great Bay Estuary,NH" 322
"Direct determination of the phenanthrene and methylphenanthrene isomer distribution in crude oils by multidimensional capillary GC" 170
"Distribution, composition and source of polycyclic aromatic hydrocarbons in sediments of the River Tamar catchment and estuary, U. K." 765
"Distribution of carbazole derivatives in petroleum" 621
"Distribution and microbial degradation of the carcinogenic hydrocarbon benzo(a)pyrene in open waters of the Baltic Sea" 515
"Distribution of hydrocarbons in soil through contamination from a leaking natural gas pipeline" 626
"Distribution of some polycyclic aromatic hydrocarbons in water reservoirs of Estonia" 531
"Distribution of polycyclic aromatic hydrocarbons in the Great Lakes" 283
"Distribution and microbial oxidation of carcinogenic hydrocarbons (as illustrated by benzo(a)pyrene) in some regions of the World's Oceans" 516
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
"Distribution of polycyclic aromatic hydrocarbons in airborne particulates of various sizes" 696

Distribution (cont)
"Distribution of formaldehyde, mercury, and benzo(a)pyrene in ambient air in Kagawa Prefecture" 372
"Distribution of hydrocarbons and chlorinated hydrocarbons in various phases of the Detroit River" 452
"Distribution of organic soluble, sulfate, glucuronide and glutathione conjugates of benzo(a)pyrene (BaP) metabolites in human mammary tumor T 47D cells" 1602
"Distribution of benzo(a)pyrene in discrete regions of rat brain" 885
"Distributions of nitrogen functional groups in Utah tar sand bitumen and produced oils" 339
"Effect of catalytic hydrotreatments on the distribution of nitrogen compounds in a coker gas oil and in a deasphalted heavy oil" 686
"Identification of carbazoles and benzocarbazoles in a coker gas oil and influence of catalytic hydrotreatment on their distribution" 620
"In-vivo distribution of benzo(a)pyrene in male rats" ... 1038
"Observation of the relative distribution of monomethylphenanthrenes on a series of sedimentary rocks from Mahakam delta (Indonesia)" 305
"Occurrence and distribution of organic chemicals in two landfill leachate plumes" 766
"Polyaromatic hydrocarbon distributions in sediments of an urban catchment" 286
"Polycyclic aromatic hydrocarbons in Lake Michigan sediments" 331
"Some regularities of the distribution of benzo(a)pyrene in the tissues of fish" 1033
"Spatial and temporal distribution of chemical substances in lakes: modeling concepts" 343
"The uptake and distribution of [3H]benzo[a]pyrene in the Northern pike (Esox lucius). Examination by whole-body autoradiography and scintillation counting" . 849
"The distribution of polycyclic aromatic hydrocarbons in the surficial sediments of Penobscot Bay (Maine USA) in relation to possible sources and to other sites worldwide" 353
Diurnal Variation
"Sources of mutagens in Contra Costa County community aerosols during pollution episodes: diurnal variations and relations to source emissions tracers" 633
"Diurnal variation of polycyclic aromatic hydrocarbons in atmospheric suspended particulates from the Beijing area" 559
DNA
"Binding of benzo(a)pyrene to the cellular macromolecules of mouse embryonic fibroblasts in primary culture" 1526
"Carbon-13 NMR phosphorus-31 NMR studies of the conformation of carcinogen-modified nucleic-acid dimers" 862

DNA (cont)
"Chemical carcinogen-mediated decreases in DNA 5-methylcytosine content of BALB/3T3 cells" 1992
"Depurination of benzo(a)pyrene-diolepoxide treated DNA" 1703
"DNA modification by chemical carcinogens" 1420
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
"Fluorescence measurements of DNA-bound metabolites of benzo(a)pyrene derivatives with different carcinogenic effects" 1317
"Heterogeneity of hepatic aryl hydrocarbon hydroxylase activity in feral winter flounder: pseudopleuronectes-americanus relevance to carcinogenicity testing" 1102
"Induction of alkaline-labile sites in DNA by benzo [a]pyrene and the repair of those lesions in cultured Chinese hamster cells" 1685
"Interactions of benzo(a)pyrene diol-epoxides with linear and supercoiled DNA" 1550
"Mammalian cell mutation and polycyclic hydrocarbon carcinogenesis" 1134
"Measurements of chemical interactions with DNA" 1130
"Mechanisms of reaction of benzo(a)pyrene-7 8-diol-9 10-epoxide with DNA in aqueous solutions" 1300
"Metabolism and specific benzopyrene metabolite modification of DNA in early S by human lung epithelial and fibroblast cells leading to the expression of an abnormal phenotype" 1610
"Microsome-mediated reactions of phenols of polycyclic hydrocarbons with DNA." 912
"Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleoside modification by stereoisomeric benzo(a)pyrene 7,8-diol-9,10-epoxides" 1142
"Physico-chemical methods for the study of polycyclic aromatic hydrocarbon carcinogen-DNA interactions. Progress report, October 1, 1981 - September 30, 1984" . 1298
"Quantum chemical and other theoretical studies of carcinogens, their metabolic activation and attack on DNA constituents" 1443
"Some problems of molecular pathology in chemical carcinogenesis. I. Interaction of deoxyribonucleic acid with polycyclic compounds" 903
"Stereoselective metabolism of benzo(a)pyrene and modification of DNA mediated by sole liver enzymes" 1029
"Studies on the activities of glutathione-S-transferases and the metabolism of benzo(a)pyrene in the primary culture of mouse embryonic fibroblast" 1525
"The interaction between DNA and chemical carcinogens 1" 1671

DNA (cont)
"The intercalation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene metabolites and metabolite model compounds into DNA" 1507
"Transient DNA lesions induced by benzo[a]pyrene in Chinese hamster ovary cells" 1111
DNA Adduct Dosimetry
"The use of the doubling dose concept with DNA-adduct dosimetry in the evaluation of short-term bioassays" 1663
DNA Adduct(s)
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of skin and hemoglobin of red blood cells" 1861
"Structural effects in reactivity and adduct formation of polycyclic aromatic epoxide and diol epoxide derivatives with DNA: comparison between 1-oxiranylpyrene and benzo[a]pyrenediol epoxide" 940
"Detection of benzo(a)pyrene:DNA adducts in human white blood cells" 172
"Relation between formation of adducts to DNA, induction of DNA repair and release of DNA from cells in Benzo(a)pyrene-treated human mitogen-stimulated lymphocytes. Effect of duration of culture on the conditions for assessment of unscheduled DNA synthesis" 1909
"Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" .. 8
"An applied synchronous fluorescence spectrophotometric assay to study benzo(a)pyrenediol epoxide-DNA adducts" .. 197
"Enhanced sensitivity of phosphorus postlabeling analysis of aromatic carcinogen DNA adducts" 71
"Polycyclic aromatic hydrocarbon-DNA adducts. Formation, detection, and characterization" 88
"3-dimensional fluorometry for the detection of DNA adducts" 139
"A study of chemical carcinogenesis. 84. Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" 7
"Detection of benzo(a)pyrene diol epoxide-DNA adducts by synchronous fluorescence spectrophotometry and ultrasensetive enzymatic radioimmunoassay in coke oven workers" 198
"Comparison of benzo[a]pyrene-DNA adduct levels in mouse and rat epidermis and dermis" 1793
"The role of DNA sequence and structure of the electrophile on the mutagenicity of nitroarenes and arylamine derivatives" 1795
"Evidence for N-(deoxyguanosin-8-yl)-1-aminopyrene as a major DNA adduct in female rats treated with 1-nitropyrene" 1887
"Benzo(a)pyrene:DNA adduct formation in early-passage Wistar rat embryo cell cultures: evidence for multiple pathways of activation of benzo(a)pyrene" 1750

DNA Adduct(s) (cont)
"Enhanced formation of benzo(a)pyrene:DNA adducts in monocytes of patients with a presumed predisposition to lung cancer" 1802
"Effect of DNA conformation on the binding of antibodies to benzo(a)pyrene diol-epoxide DNA adducts" 1874
"Identification of polycyclic aromatic hydrocarbon metabolites and DNA adducts in mixtures using fluorescence line narrowing spectrometry" 1821
"Tissue-specific DNA adduct formation in mice treated with the environmental carcinogen, 7H-dibenzo[c,g]carbazole" 1842
"Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay" 1844
"Species- and length of exposure-dependent differences in the benzo(a)pyrene:DNA adducts formed in embryo cell cultures from mice, rats, and hamsters" 1845
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of the skin and hemoglobin of red blood cells" 1859
"Formation of benzo(alpha)pyrene metabolites and DNA adducts catalyzed by a rat liver mitochondrial monooxygenase system" 1672
"Benzo[a]pyrene metabolism and DNA adduct formation mediated by English sole liver enzymes" 1673
"Enhanced formation of benzo(a)pyrene-DNA adducts in monocytes of patients with a presumed genetic risk for lung cancer" 1681
"Stereoselectivity of benzo(a)pyrene diol epoxides by DNA for adduct formation with N-2 on guanine" 1608
"Formation and persistence of DNA, RNA, and protein adducts in mouse skin exposed to pure optical enantiomers of 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydroben o(a)pyrene in vivo" 1723
"Cytotoxic and mutagenic effects of specific carcinogen-DNA adducts in diploid human fibroblasts" 1581
"The relationship between the levels of DNA-hydrocarbon adducts and the formation of sister-chromatid exchanges in Chinese hamster ovary cells treated with derivatives of polycyclic aromatic hydrocarbons" 1705
"DNA adduct formation of dibenz(a,h)anthracene in-vitro and in-vivo" 1534
"Benzo(a)pyrene-DNA adduct formation and removal in mouse epidermis in vivo and in vitro: relationship of DNA binding to initiation of skin carcinogenesis" 1651
"Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin" 1593
"Stereoselective covalent binding of anti-benzo(a)pyrene diol epoxide to DNA conformation of enantiomer adducts" . 1301

DNA Adduct(s) (cont)
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
"Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice" 1484
"Cellular processing of carcinogen DNA adducts" 1327
"Quantitation by electron microscopy of the binding of highly specific antibodies to benzo[a]pyrene-DNA adducts" 1719
"Analysis of the metabolites, DNA adducts and mutations produced by 1-nitropyrene in Chinese hamster ovary cells" 1360
"Formation and removal of benzo[a]pyrene metabolites--DNA adducts in cultured normal human fibroblasts using a microsome-activating system" 1438
"Conformations of adducts and kinetics of binding to DNA of the optically pure enantiomers of anti benzo a pyrene diol epoxide" 1302
"Fluoranthene and pyrene enhance benzo[a]pyrene--DNA adduct formation in vivo in mouse skin" 1786
"Relationship between genotoxicity and DNA adducts" 1395
"Rat and human explant metabolism, binding studies, and DNA adduct analysis of benzo(a)pyrene and its 6-nitro derivative" 1295
"Carcinogen metabolism and carcinogen-DNA adducts in human tissues and cells" 1341
"Formation and persistence of benzo(a)pyrene metabolite-DNA adducts" 1894
"Vitamin K1 as a modulator of benzo(a)pyrene metabolism as measured by in vitro metabolite formation and in vivo DNA-adduct formation" 1412
"Mechanisms of interaction of polycyclic aromatic diolexpoxides with DNA and structures of the adducts" ... 1299
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
"Persistence of DNA adducts of 7 8 dihydroxy-9 10-oxy-7 8 9 10- tetrahydrobenzo(a)pyrene in lymphocytes of nonsmokers smokers and patients with bronchial carcinoma" 1072
"Identification of the DNA adduct formed by metabolism of 1,8-dinitropyrene in Salmonella typhimurium" 1067
"Formation and disappearance of benzo[a]pyrene DNA-adducts in mouse epidermis" 1227
"Quantitation of benzo(a)pyrene metabolite: DNA adducts in selected hepatic and pulmonary cell types isolated from [3H]benzo(a)pyrene-treated rabbits" 916

DNA Adduct(s) (cont)
"Persistence of BaP:DNA and BaP:protein adducts in mouse and rat skin" 1792
"Nitropyrene: DNA binding and adduct formation in respiratory tissues" 923
"Benzo(a)pyrene diol epoxide-DNA adducts detected by synchronous fluorescence spectrophotometry" 2161
"Detection of benzo[a]pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in serum from coke oven workers" 2087
"Detection of benzo(a)pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in sera from coke oven workers" 2157
"Detection of antibodies to benzo(a)pyrene diol epoxide DNA adducts following occupational exposure to benzo(a)pyrene" 2121
DNA Alteration
"The interplay between mixed-function oxygenases and DNA alteration under PAH pollution" 1045
DNA Anthraquinone
"Dissociation kinetics of DNA-anthracycline and DNA-anthraquinone complexes determined by stopped-flow spectrophotometry" 902
DNA Binding
"A comparison of the intercalative binding of non-reactive benzo[a]pyrene metabolites and metabolite model compounds to DNA" 839
"A comparison of the DNA intercalative binding of bay versus K region metabolites of benzo[a]pyrene" 840
"Physical binding of pyrene and phenanthrene to native and denatured DNA: measurements by spectral and coupled-column liquid chromatography methods" 136
"The binding of the benzo(a)pyrene metabolites to the DNA of isolated rat liver nuclei and nuclear matrix" 847
"A new mechanism of benzo(a)pyrene activation for binding to DNA in Wistar rat embryo cells" 1749
"Benzo(e)pyrene induced alterations in the binding of benzo(a)pyrene to DNA in hamster embryo cell cultures" .. 1877
"Ubiquitous binding of benzo[a]pyrene metabolites to DNA and protein in tissues of the mouse and rabbit" 1893
"Benzo(e)pyrene-induced alterations in the binding of 7,12-dimethylbenz(a)anthracene to DNA in hamster embryo cell cultures" 1878
"32P-postlabeling test for covalent DNA binding of chemicals in vivo: application to a variety of aromatic carcinogens and methylating agents" 1775
"Phosphorus-32 postlabeling test for covalent DNA binding of chemicals in vivo: application to a variety of aromatic carcinogens and methylating agents" 1776
"The role of activating and detoxifying enzymes in binding of reactive benzo(a)pyrene metabolites to DNA in microsome-mediated systems" 1836

DNA Binding (cont)
"Rat liver homogenate (S9)-mediated binding of benzo[alpha]pyrene to DNA in V79 cells, V79 cell nuclei and aqueous solution" 1843
"The binding of polycyclic aromatic hydrocarbon diol-epoxides to DNA" 1789
"A mechanism for the stereoselectivity and binding of benzo(a)pyrene diol epoxides to DNA" 1607
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo[a]pyrene, 2- aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Inhibition of binding of benzo(a)pyrene to DNA by 7,8-benzoflavone in organ cultures of human bronchus" ... 1569
"Epidermal benzo[a]pyrene metabolism and DNA-binding in Balb/C mice: inhibition by ellagic acid" 1637
"Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes" 1640
"Benzo(a)pyrene-DNA adduct formation and removal in mouse epidermis in vivo and in vitro: relationship of DNA binding to initiation of skin carcinogenesis" 1651
"Stereoselective covalent binding of anti-benzo(a)pyrene diol epoxide to DNA conformation of enantiomer adducts" . 1301
"Site-specific carcinogen binding to DNA in polytene chromosomes" 1491
"Conformations of adducts and kinetics of binding to DNA of the optically pure enantiomers of anti benzo a pyrene diol epoxide" 1302
"Studies of benzo(a)pyrene carcinogenesis and DNA binding in the presence of complex mixtures" 1385
"Preferential binding of benzo(a)pyrene diol epoxide to the linker DNA of human foreskin fibroblasts in S phase in the presence of benzamide" 1486
"Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon" 1639
"Interaction of the 4S polycyclic aromatic hydrocarbon (PAH) binding protein with rat liver DNA" 1390
"Studies on the intercalative DNA binding of polycyclic hydrocarbon metabolic models" 1506
"Sequence specific binding of tetraols of benzo(a)pyrene-diol- epoxide to DNA in neutral and acidic solutions" 1172
"Inhibition of benzo(a)pyrene and benzo(a)pyrene-trans-7,8-diol metabolism and DNA binding in mouse lung explants by ellagic acid" 1232
"Sequence specific and stereoselective covalent binding of trans-7 8 dihydroxy-anti-9 10-epoxy-7 8 9 10-tetrahydrobenzo(a) pyrene to DNA" 1171

DNA Binding (cont)
"Oxidative microsomal metabolism of 1-nitropyrene to DNA-binding derivatives" 1233
"Rat liver subcellular fractions catalyze aerobic binding of 1-nitro[14C]pyrene to DNA" 1086
"Enhancement of DNA binding and mutagenicity of 1-nitropyrene by zinc acetate in Salmonella typhimurium TA100" 1810
"Interindividual variation in the DNA binding of chemical genotoxins following metabolism by human bladder and bronchus explants" 1196
"Biotransformation of benzo(a)pyrene and covalent binding to hepatic DNA in benthic fishes" 1028
"Correlation between levels of hepatic DNA binding and biliary glutathion conjugates of benzo(a)pyrene intermediates in English sole" 1030
"Benzo(e)pyrene induced alterations in the stereoselectivity of activation of 7-12-dimethylbenz(a)anthracene to DNA-binding metabolites in hamster embryo cell cultures" 1879
"Brain microsomal enzyme mediated covalent binding of benzo[a]pyrene to DNA" 886
"Covalent binding of BP-metabolites to DNA of cultured human hair follicle keratinocytes" 921
"Binding of benzo(a)pyrene to DNA in normal and vitamin A deficient rats" 890
"Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture" 1860
"Binding of benzo(a)pyrene to regions of DNA with different concentrations of active and inactive genes" .. 977
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
"Investigation of absorption, metabolism kinetics and DNA-binding of intratracheally administered benzo[a]pyrene in the isolated, perfused rat lung: a comparative study between microcrystalline and particulate adsorbed benzo[a]pyrene"..... 1934
"Ellagic acid inhibits the binding of benzo(a)pyrene metabolites to DNA in cultured human bronchial tissues" . 1922
DNA Complexes
"Stereoscopic studies of DNA complexes formed after reaction with antibenzo(a)pyrene-7, 8-dihydrodiol-9, 10-oxide enantiomers of different carcinogenic potency" 90
"Denaturation of nucleic-acids induced by intercalating agents biochemical and biophysical properties of acridine orange-DNA complexes" 932

DNA Damage
"DNA damage by benzo[a]pyrene in the liver of mosquito fish Gambusia affinis" 852
"Nick translation - a new assay for monitoring DNA damage and repair in cultured human fibroblasts" 1880
"DNA damage induced by nitropyrenes in primary mouse hepatocytes and in rat H4-II-E hepatoma cells" 1623
"32P-postlabeling assay of transplacental DNA damage induced by safrole, 4-aminobiphenyl, benzo(a)pyrene and dibenzo(c,g)carbazole in fetal mouse tissues" 1546
"Rat liver DNA damage by the nonhepatocarcinogen 3 2 dimethyl-4- amino bi phenyl" 1368
"DNA damage, repair and neoplastic conversion in cultured mouse and human cells" 1293
"The mutational consequences of DNA damage induced by benzo(a)pyrene" 1253
"Fast, transient DNA damage by benzo(a)pyrene" 1044
"Fast, transient DNA damage by benzo(a)pyrene" 915
"DNA damage in Hela S-3 cells by an anti tumor drug ledakrin and other anti tumor 1 nitro-9-amino acridines" 1999
DNA Methyltransferases
"Inhibition of DNA methyltransferases in-vitro by benzo(a)pyrene diol epoxide-modified substances" 1995
DNA Modifications
"Formation of DNA modifications by chemical carcinogens. Identification, localization and quantification" 114
DNA Polymerase
"Effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver nuclei" 1814
DNA Repair
"Nick translation - a new assay for monitoring DNA damage and repair in cultured human fibroblasts" 1880
"Measurement of DNA repair in primary cultures of rat pancreatic cells following in vivo treatment" 1890
"DNA repair and replication in human fibroblasts treated with racemic R-7 T-8 dihydroxy-T-9 10-epoxy-7 8 9 10-tetrahydrobenzo(a)pyrene" 1444
"Comparison of rat and hamster hepatocyte DNA repair genotoxicity assays" 1478
"DNA damage, repair and neoplastic conversion in cultured mouse and human cells" 1293
"The influence of inhibitors on the repair of benzo[a]pyrene-damaged DNA in hamster tracheal epithelial cells" 1410
"Relation between formation of adducts to DNA, induction of DNA repair and release of DNA from cells in Benzo(a)pyrene-treated human mitogen-stimulated lymphocytes. Effect of duration of culture on the conditions for assessment of unscheduled DNA synthesis" 1909
"A study of polynuclear aromatic hydrocarbon carcinogen transport and deoxyribonucleic acid repair" 1424

DNA Repair (cont)
"Benzo(a)pyrene-initiated inhibition of DNA repair is due to inactivation of DNA polymerase alpha" 1144
"Metabolism, DNA repair and mutagenicity of 1-nitropyrene in the human hepatoma cell line HepG2" 1250
"Assessment of chemically-induced DNA repair in rat tracheal epithelial cells" 1242
"Repair of benzo(a)pyrene diol epoxide damaged bacteriophage T-7 DNA determined by survival of phage made by in-vitro packaging" 1027
"Somatic cell and molecular genetics approach to DNA repair and mutagenesis. ERDA/560301" 1930
"Effect of DNA repair on transfection activity of phi-X-174 RF DNA modified with carcinogen and noncarcinogenic benzo(a)pyrenediol epoxide isomers" 1917
"Elimination and repair of lesions induced by benzo(a)pyrene in the DNA of human embryo pulmonary fibroblasts (ICP-23 cell line)" 1957
DNA Replication
"Replication of carcinogen damaged double and single stranded DNA templates in-vitro" 1500
DNA Sequence
"DNA sequence alterations in vivo following DNA modification by carcinogens" 1847
DNA Strand Breaks
"DNA single-strand breaks by nitropyrenes and related compounds in Chinese hamster V-79 cells" 1809
"DNA strand breaks and replication inhibition by benzo(a)pyrene in mammalian cells" 1707
DNA Synthesis
"Effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver nuclei" 1814
"Stimulation of mitochondrial DNA synthesis by endogenously activated chemical mutagens in mice lung fibroblasts: Replication or repair" 1833
"Induction of unscheduled DNA synthesis in primary cultures of rat pancreatic cells following in vivo and in vitro treatment with genotoxic agents" 1889
"Measurement of unscheduled DNA synthesis in germ cells of the male mouse (Mus Musculus)" 1846
"Suppression of the 1st stage of phorbol-12-tetradecanoate-13- acetate-effected tumor promotion in mouse skin by nontoxic inhibition of DNA synthesis" 1460
"Unscheduled DNA synthesis in human bronchial epithelium treated with various chemical carcinogens in vitro" 1411
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205

DNA Synthesis (cont)
"Inhibition of DNA synthesis by an electrophilic metabolite of benzo[a]pyrene" 863
"Induction of unscheduled DNA synthesis in cultured human oral keratinocytes by sodium fluoride" 1941
Dog Lungs
"Dog pulmonary macrophage metabolism of free and particle-associated 14C-benzo(a)pyrene" 1117
Domestic Heating
"Characterization of emissions of PAH's (polynuclear aromatic hydrocarbons) from residential coal-fired space heaters" 770
"Tennessee Valley Authority/Bonneville Power Administration Indoor Air Quality Study. Volume I. NTVA/OP/CEM-84/48-Vol. 1" 799
"Characterization of emissions from the combustion of wood and alternative fuels in a residential woodstove. NTRI/1914-39-01F" 810
"Emissions from oil-fired domestic furnaces" 575
"Residential wood burning and air pollution" 760
"The contribution of residental wood combustion to ambient air pollution in Nashville, Tennessee - a case study" 689
"Air pollution implications of increasing residential firewood use" 720
"Ambient air monitoring study of residential woodburning in Mio, Michigan" 628
"Ambient impact of residential wood combustion in Elverum, Norway" 464
"Mutagenicity of combustion products in kerosine heater emission" 1490
"Air pollution and cancer. Investigation of hazardous constituents from various emission sources and their carcinogenic impact" 1051
"Lung cancer and air pollution in Guangzhou, China" 2174
"Characterization of particle composition, organic vapor constituents, and mutagenicity of indoor air pollutant emissions" 2144
"Health risks of residential wood heat" 2231
"Biomass fuel combustion and health" 2060
"Feasibility of using bituminous coal as residential fuel" 2173
Domestic Water
"Experience in monitoring domestic water sources and process waters for trace organics" 2175
Dose-Effect Relationship
"Dose dependent activation of rat small intestinal monooxygenase-activity towards benzo(a)pyrene and 7-ethoxycoumarin after oral pretreatment with cimetidine" 1123

Dose-Effect Relationship (cont)
"Criterional significance of immunological characteristics in the evaluation of the effect of various doses of benzo(a)pyrene" 1043
Dose-Fractionation
"Influence of dose fractionation on carcinogenicity of chemical compounds" 1946
Dose-Response Relationship
"Benzo(a)pyrene inhibits ovulation in C57BL/6N mice" 1902
"Differential induction of sister-chromatid exchanges by benzo[a]pyrene in variant mouse hepatoma cells." 1829
"Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6- dinitropyrene in rats" 1692
"The effects of cell cycle position on the cytotoxicity and mutagenicity of benzo(a)pyrene in cultured Chinese hamster cells" 1684
"Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air" 1622
"Micronuclei in red blood cells of the newt Pleurodeles waltl after treatment with benzo(a)pyrene: dependence on dose, length of exposure, posttreatment time, and uptake of the drug" 1325
"Local application to mouse skin as a carcinogen specific test system for non-volatile nitroso compounds" 1225
"Influence of dose fractionation on carcinogenicity of chemical compounds" 1946
"Selection, follow-up, and analysis in the Coke Oven Study" 2133
"Multi-disciplined approach to the safety evaluation of chemicals with special emphasis on carcinogenic toxicity. The ED01 study" 2226
"Balb-C-3T3 cell transformation response to extracts of organic air samples as seen by their survival in aggregate form" 2028
Dosimetry
"Application of HPLC to the isolation of molecular targets in dosimetry studies" 1079
"Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants" 2167
Doubling Dose Concept
"The use of the doubling dose concept with DNA-adduct dosimetry in the evaluation of short-term bioassays" 1663
Drainage Ditch Water
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
Dredged Material
"Contained dredged material for open ocean disposal" 2180
Dredged Sediments
"Treatment of contaminated dredged sediments by hydrocyclones" 2201

Drilling Mud Base Oils
"Mixed-function oxygenases as biological monitors around petroleum hydrocarbon development sites: potential for induction by diesel and other drilling mud base oils containing reduced levels of polycyclic aromatichydrocarbons" 991
Drinking Water
"Water distribution system as a potential source of mutagens in drinking water. NSRC/TR-81/620, EPA/600/1-84/019" 578
"Analytical isolation, separation and identification of mutagens from nonvolatile organics of drinking water" ... 501
"Mutagenicity of coal tar paints used in drinking water distribution systems" 1867
"Hydrocarbon determination in public drinking waters" ... 2138
Drosophila
"Mutagenicity of 7 polycyclic aromatic hydrocarbon compounds in Drosophila" 1068
Drosophila melanogaster
"Metabolic activation of selected aromatic amines and polycyclic hydrocarbons by isolated subcellular fractions of Drosophila melanogaster" 942
"Effect of intercalating mutagens on crossing-over in Drosophila- melanogaster females" 1041
Drosophila zeste
"Mutagenic activity of some intercalating compounds in the drosophila zeste somatic eye mutation test" 2007
Drug Biotransformation
"Role of tin on heme and drug biotransformation mechanism of partially hepatectomized rats" 1248
Drug Disposition
"Biochemistry, physiology and drug metabolism--implications regarding the role of the lungs in drug disposition" 1798
Drug Elimination
"Effect of some environmental pollutants on microsomal enzyme activity and drug elimination" 994
Drug Metabolism
"Biochemistry, physiology and drug metabolism--implications regarding the role of the lungs in drug disposition" 1798
"Altered drug and xenobiotic metabolism by an ectopic pituitary tumor" 1497
Drug Metabolizing Enzymes
"The effect of medroxyprogesterone acetate on the hepatic drug-metabolizing enzymes in normal and protein-deficient female rats" 1649
"Activities of drug-metabolizing enzymes in isolated gamma glutamyl transpeptidase positive prenoplastic hepatocytes from carcinogen treated rats" 1508
"Pulmonary drug metabolizing enzymes in lung tumor bearing rats" 1238

Drug Metabolizing Enzymes (cont)
"Influence of glucocorticoids and polycyclic aromatic hydrocarbons on hepatic drug-metabolizing enzyme development during the perinatal period" 953
Drug Supplies
"Acridine a base for constructing drug supplies" 1898
Drug-Nutrient Interactions
"Drug-nutrient interactions and their implications for safety evaluations" 2214
Dunaliella bioculata
"Toxic responses of the green alga Dunaliella bioculata (Chlorophycea, Volvocales) to selected oxidized hydrocarbons" 1366
Dust
"Determination of polynuclear aromatic hydrocarbons in falling dust by high-pressure liquid chromatography (HPLC)" 315
"Hygienic (and chemical) evaluation of settling dust" ... 2102
"Outline and mutagenicity of PAH (polynuclear aromatic hydrocarbons) in the whole extract of emissive dust samples" 1906
"Traffic's contribution to the dust and PAH levels in the ambient air of big German cities" 690
Dyes
"Biological effects of dyes on bacteria 6. Mutation induction by acridine orange and methylene blue in the dark with special reference to Eschericia-coli WP-6-POLA-1" 1972
"Studies on the inhalation toxicity of dyes present in colored smoke munitions. Phase III, Studies: Four-week inhalation exposures of rats to dye aerosols" 1106
"Wastes from manufacture of dyes and pigments. Volume 4. Anthraquinone dyes and pigments" 656
Earthworm
"Relative toxicities of chemicals to the earthworm Eisenia foetida" 1791
"The toxicity of selected organic chemicals to the earthworm Eisenia foetida" 1669
Ecological Assessment
"Ecological assessment for coal ash dumped at deepwater dumpsite-106" 470
Economy
"Hygienic aspects of the use of wastes from effluent purification in the national economy" 2136
Ecosphere
"Environmental hazard profile of organic chemicals. An experimental method for the assessment of the behavior of organic chemicals in the ecosphere by means of simple laboratory tests with carbon-14-labeled chemicals" 297

Ecosystem
"Cycling of polynuclear aromatic hydrocarbons in the Great Lakes ecosystem" 326
Ecotoxicological Behavior
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
Ecotoxicology
"Sensitivity of schemes for ecotoxicological hazard ranking of chemicals" 1462
Ectopic Pituitary Tumor
"Altered drug and xenobiotic metabolism by an ectopic pituitary tumor" 1497
Edible Oil
"Determination of 3,4-benzopyrene in edible oil by a TLC scanner" 784
Effects on Ecosystems
"Effects of autumn application of oil on Spartina alterniflora in a Texas salt marsh" 535
Effects on Organisms
"The effect of acridine orange on actinomycete strains" . 1650
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
"The effect of aromatic hydrocarbons on the productivity of various marine planktonic algae" 1421
"Some effects of polycyclic aromatic hydrocarbon-contaminated Elizabeth River USA sediments on fish" 911
"Metabolism and effects of organic compounds in animals" 894
"Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete Nereis virens" 900
"Studies of the effect of toxic coal particles on model membrane systems. Progress report July 1, 1980-August 31,1981" 949
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Influence of glucocorticoids and polycyclic aromatic hydrocarbons on hepatic drug-metabolizing enzyme development during the perinatal period" 953
"Metabolic mechanisms of long-term effects of environmental chemical factors - carcinogneic, embryotic, gonadotoxic, mutagenic and gerontologic effects" 1599
"Effects of polynuclear aromatic hydrocarbons on lysosomal membranes in mollusks" 978
Effluent
"Hygienic aspects of the use of wastes from effluent purification in the national economy" 2136

Effluent Limitations Guide
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216
Eggs
"Effects of temperature, feeding and acridine on development and mortality of eggs and nauplii of Diaptomus clavipes Schacht" 1183
Eisenia foetida
"Relative toxicities of chemicals to the earthworm Eisenia foetida" 1791
"The toxicity of selected organic chemicals to the earthworm Eisenia foetida" 1669
Electrochemical Detection
"Determination of nitro-polynuclear aromatic hydrocarbons in diesel soot by liquid chromatography with fluorescence and electrochemical detection" 726
Electrode Production
"Evaluation of the level of exposure to aromatic polycyclic hydrocarbons during electrode production" 2072
Electron Capture
"New schemes for the electron-capture sensitization of aromatic hydrocarbons" 69
Electron Carriers
"Electron carriers of the pulmonary and hepatic detoxifying system in chemical carcinogenesis under conditions of modifying action of influenza virus" 843
Electron Microscopy
"Quantitation by electron microscopy of the binding of highly specific antibodies to benzo[a]pyrene-DNA adducts" 1719
Electrostatic Precipitator
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
Elemental Source Signature
"Tunnel measurement of the PAH (polycyclic aromatic hydrocarbons), carbon thermogram and elemental source signature from vehicular exhaust" 674
Elimination
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
"Contribution of rat lung and liver in-vivo to benzo(a)pyrene elimination at low concentrations" 1281
"Effects of some environmental agents on the elimination kinetics of theophylline" 1131

Elimination (cont)
"Elimination and repair of lesions induced by benzo(a)pyrene in the DNA of human embryo pulmonary fibroblasts (ICP-23 cell line)" 1957
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 1754
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 995
"Intervention of the digestive flora in the degradation of benzo(a)pyrene" 1755
"Uptake and elimination of aromatic hydrocarbons and a chlorinated biphenyl in eggs and larvae of cod Gadus morhua" 1011
Ellagic Acid
"Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture" 1860
"Ellagic acid (EA) inhibits epidermal benzo(a)pyrene (BP) metabolism and 3-methylcholanthrene (MCA) skin carcinogenicity in BALB/c mice" 1638
"Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes" 1640
"Epidermal benzo[a]pyrene metabolism and DNA-binding in Balb/C mice: inhibition by ellagic acid" 1637
"Effect of ellagic acid and hydroxylated flavonoids on the tumorigenicity of benzo(a)pyrene (BP) and (+ or -)-7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydro enzo(a)pyrene (BP diol epoxide" 1396
"Inhibition of benzo(a)pyrene and benzo(a)pyrene-trans-7,8-diol metabolism and DNA binding in mouse lung explants by ellagic acid" 1232
"Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action" 1199
"Ellagic acid inhibits the binding of benzo(a)pyrene metabolites to DNA in cultured human bronchial tissues" . 1922
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
Ellesmere Island
"A reconnaissance survey of the environmental chemistry in East-Central Ellesmere Island, Northwest Territories, Canada" 411
Ellipticine
"Denaturation of nucleic-acids induced by intercalating agents biochemical and biophysical properties of acridine orange-DNA complexes" 932

Embryo
"Alterations in patterns of excretion and other metabolic functions in developing fish embryos exposed to benzo(a)pyrene" 1471
Embryo Cell
"Species- and length of exposure-dependent differences in the benzo(a)pyrene:DNA adducts formed in embryo cell cultures from mice, rats, and hamsters" 1845
Embryonic Development
"Preimplantation genotoxic disruption of fetal development" 1403
"Effects of some mycotoxins and synthetic genotoxic substances on the embryonic and larval development of Brachydanio rerio" 1208
Embryotoxicity
"Embryotoxicity of benzo(a)pyrene and some of its synthetic derivatives in Swiss mice" 1088
Emission Condensate
"Investigation on the carcinogenicity of emission condensate from brown coal-fired residential furnaces applied to mouse skin" 1224
Emission Control
"Advances in the characterization and control of emissions from prescribed fires" 819
"Control of pollutant emission from diesel engine vehicles by fuel modification (Part 4). Effect of fuel composition on the emission of benzo(a)pyrene" 750
"Emission control effectiveness of a woodstove catalyst and emission measurement methods comparison" 733
"Emission control for municipal solid waste incineration in Sweden" 2177
Emission Inventory
"Emission inventory of coal, peat and oil-fired power plants" 758
Emission Measurement
"Immission and emission measurement of carcinogenic substances" 594
Emission Spectrum
"The controversial emission spectrum of fluoranthene" ... 79
Emissions
"Imissions of polycyclic aromatic hydrocarbons in West Berlin" 376
Emissions Tracers
"Sources of mutagens in Contra Costa County community aerosols during pollution episodes: diurnal variations and relations to source emissions tracers" 633
Enantiomeric Resolution
"Direct enantiomeric resolution of cyclic alcohol derivatives of polycyclic aromatic hydrocarbons by chiral stationary phase high- performance liquid chromatography" 222

Enantiomers
"Direct resolution of mono- and diol enantiomers of unsubstituted and methyl-substituted benz(a)anthracene and benzo(a)pyrene by high-performance liquid chromatography with a chiral stationary phase" 223
Endometrial Cell
"Human endometrial cell-mediated mutagenesis of Chinese hamster V79 cells by metabolism of benzo(a)pyrene" 1290
Endometrium
"Reproductive toxicity associated with endometrial cell mediated metabolism of benzo[a]pyrene: a combined in vitro, in vivo approach" 1404
Endoperoxide Synthetase
"Prostaglandin endoperoxide synthetase and the activation of benzo(a)pyrene to reactive metabolites in vivo in guinea pigs" 1294
Endoplasmic Reticulum
"Specificity of cytochrome P-450 isoforms contained in endoplasmic reticulum membranes and nuclear membranes in relation to benzo(a)pyrene" 1851
"The fine structure of lysosomal membranes and endoplasmic reticulum in the digestive cells of Mytilus edulis exposed to anthracene and phenanthrene" 1679
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
Energy Wastes
"Mobility of organic and inorganic constituents from energy and combustion-related wastes under codisposal conditions" 2192
English Sole
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888
"Correlation between levels of hepatic DNA binding and biliary glutathion conjugates of benzo(a)pyrene intermediates in English sole" 1030
"Isolation and characterization of benzo(a)pyrene metabolites formed in vivo by juvenile and adult English Sole" 1031
Enterohepatic Circulation
"Enterohepatic circulation of benzo(a)pyrene-4 5-oxide in the rat" 1263
"Metabolism and enterohepatic circulation of benzo(a)pyrene-4 5-epoxide in the rat" 1262
"Biliary excretion and enterohepatic circulation of 1-nitropyrene metabolites in Fischer-344 rats" 973

Environment Hazard Profile
"Environmental hazard profile of organic chemicals. An experimental method for the assessment of the behavior of organic chemicals in the ecosphere by means of simple laboratory tests with carbon-14-labeled chemicals" 297
"Environmental hazard profile - test results as related to structures and translation into the environment" 298
Environment Research
"Occupational health and environment research 1983: Health, Safety and Environment Division. Progress report" 2170
Environmental Analysis
"High-performance liquid chromatography in environmental analysis" 373
Environmental Aspects
"Benzo(a)pyrene content of the human lung in relation to various environmental factors" 2052
Environmental Effects
"Environmental effects of coal liquefication, the example of the Bottrop Plant" 631
"The environmental effects of fossil fuels: A global perspective" 252
"Ecological effects of produced water effluents from offshore oil and gas production platforms" 412
"Ecological assessment for coal ash dumped at deepwater dumpsite-106" 470
"Effects of waste oil contamination" 736
"Environmental effects of the use of oil-based drilling muds in the North Sea" 276
"Selection of organic chemicals for subsurface transport. Subsurface transport program interaction seminar series. Summary" 2209
"Finding solutions to potential health and environmental problems associated with coal liquefaction materials" ... 2079
"Health and environmental effects of complex chemical mixtures: Proceedings" 2061
"Health and environmental effects of coal-liquefaction processes: Environmentally acceptable technology development" 2078
"Health and environmental effects document on direct coal liquefaction, 1983. ORNL/TM-9287" 2064
Environmental Exposure
"Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in an anode plant" 2056
"A job-exposure matrix for use in population based studies in England and Wales" 2123
"Effects of a low-level long-term loading with environmental pollutants on the immune system and methemoglobinemia" 2092
"Current trends in the biological monitoring of exposure to carcinogens" 2163

Environmental Exposure (cont)
"Air quality and biological controls of workers exposed in working premises contiguous to an urban road-tunnel" . 2059
"Benzo(a)pyrene in human lungs in relation to certain environmental factors" 2112
"Parental occupational exposure and spontaneous abortions in Finland" 2110
Environmental Factors
"Benzo(a)pyrene in human lungs in relation to certain environmental factors" 2112
"Benzo(a)pyrene content of the human lung in relation to various environmental factors" 2052
Environmental Fate
"Biodegradation of topped Kuwait crude" 260
"Pyrolysis of phthalic acid esters: their fate" 256
"The fate of hazardous wastes in used oil recycling" 591
"Fate of environmental pollutants" 457
"Fate of environmental pollutants" 458
"Evaluating the environmental behavior of chemicals with a Level III fugacity model" 394
"The fates of aromatics model (FOAM): description, application and analysis" 241
Environmental Hazards
"Environmental hazard profile - test results as related to structures and translation into the environment" 298
"Sensitivity of schemes for ecotoxicological hazard ranking of chemicals" 1462
"Feasibility of using bituminous coal as residential fuel" 2173
"Risk of contamination of the living and working environment with genotoxic compounds in the processing of black coal tar" 2095
Environmental Health
"To what extent do automotive exhaust polycyclic aromatic hydrocarbons compromise our health?" 2154
"Experience in monitoring domestic water sources and process waters for trace organics" 2175
"Health risks of residential wood heat" 2231
"Finding solutions to potential health and environmental problems associated with coal liquefaction materials" ... 2079
Environmental Implications
"Octanol-water partition coefficient of benzo(a)pyrene: measurement, calculation, and environmental implications" 395
Environmental Levels
"Benzo(a)pyrene in atmosphere" 555
"Studies on correlations among air pollutants" 552
"Analysis of organic pollutants in airborne particulate matter in Taiyuan area" 558

Environmental Levels (cont)
"Analysis of Shpol'skii fluorometry at 10 K for polynuclear aromatic hydrocarbons in the environment: sampling and extraction procedures, quantitative results" 544
"Benzo(a)pyrene in New Jersey USA results from a twenty-seven-site study" 327
"Polycyclic aromatic hydrocarbons in Finnish sauna air" . 2088
Environmental Occurrence
"Occurrence and distribution of organic chemicals in two landfill leachate plumes" 766
"A ranking index to characterize polynuclear aromatic pollutants in environmental samples" 532
"Occurrence of nitro-PAH in the atmosphere in a rural area" 425
"Carcinogenic compounds in our environment" 430
"Spectral atlas of polycyclic aromatic compounds: Including data on occurrence and biological activity" ... 359
"Air pollution by carcinogenic polyaromatic hydrocarbons" 369
"Occurrence, analysis and significance of PAH as an environmental carcinogen" 320
"The occurrence of organic chemicals in the atmosphere of the Netherlands" 324
"A reconnaissance survey of the environmental chemistry in East-Central Ellesmere Island, Northwest Territories, Canada" 411
"Polycyclic aromatic hydrocarbons and azaarenes in environmental specimens" 319
"Polycyclic aromatic hydrocarbons in selected foods; analysis and occurrence" 521
"The occurrence of some Polycyclic Aromatic Hydrocarbons in ambient air in Singapore" 234
"Occurence and transport of organic microcontaminants in the Duluth-Superior Harbor, USA" 238
"Polycyclic aromatic compounds of environmental and occupational importance - Their occurrence, toxicity and the development of high purity certified reference materials. Part I" 2094
Environmental Pollution
"Steel smelting by coal tar and its significance in environmental pollution" 718
Environmental Problems
"Multidisciplinary approach to identify, characterize and minimize, potential health and environmental problems associated with chemically complex mixtures: A case study" 648
Environmental Samples
"Bacterial mutagenicity and chemical analysis of polycyclic aromatic hydrocarbons and some nitro derivatives in environmental samples collected in West Germany" 303

Environmental Samples (cont)
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 431
"Application of high-resolution Shpol'skii luminescence spectroscopy to the determination of polycyclic aromatic hydrocarbons (PAH) in environmental samples" 307
"High-speed micro-HPLC for analysis of polycyclic aromatic hydrocarbons in environmental samples" 352
"Polycyclic aromatic hydrocarbons. IV. Isolation and fractionation in environmental samples" 274
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high performance thin-layer chromatography and fluorescence scanning densitometry" . 267
"Determination of nitrated-polyaromatic hydrocarbons (nitro-PAHs) in environmental samples by high resolution chromatographic techniques" 385
"Determination of nitro polycyclic hydrocarbons in environmental samples" 269
"Polycyclic aromatic hydrocarbons. III. Analysis of environmental samples by computerized gas chromatography-mass spectrometry" 68
Environmental Specimens
"Polycyclic aromatic hydrocarbons and azaarenes in environmental specimens" 319
Environmental Toxicology
"Reviews in environmental toxicology Vol. 1" 1379
Enzymatic Activation
"Enzymatic activation and detoxication of polycyclic aromatic hydrocarbons" 1408
Enzymatic Radioimmunoassay
"Detection of benzo(a)pyrene diol epoxide-DNA adducts by synchronous fluorescence spectrophotometry and ultrasensetive enzymatic radioimmunoassay in coke oven workers" 198
Enzyme Activation
"Xenobiotic-metabolizing enzyme activity in human non-small-cell derived lung cancer cell lines" 1269
Enzyme Activity
"Differential activities of rat and human lung glutathione S-transferase isoenzymes towards benzo(a)pyrene epoxides" 846
"Decreased placental monooxygenase activities associated with birth defects" 1556
"Studies on the activities of glutathione-S-transferases and the metabolism of benzo(a)pyrene in the primary culture of mouse embryonic fibroblast" 1525
"Tyrosine protein kinase activity in the 7-12-dimethylbenz(a) anthracene-induced rat mammary tumor inhibition by quercetin" 1522

Enzyme Activity (cont)
"Seasonal variation of the xenobiotic metabolizing enzyme activities in the liver of male and female Vendace Coregonus-albula" 1533
"Acute toxicity and inductive effect on liver enzyme activities 3 4 5 3' 4' pentachlorobiphenyl in chickens" . 1380
"Role of glutathione S transferases detoxification of reactive metabolites of benzo(a)pyrene-7 8 dihydrodiol by conjugation with glutathione" 1372
"Heterogeneity of hepatic aryl hydrocarbon hydroxylase activity in feral winter flounder: pseudopleuronectes-americanus relevance to carcinogenicity testing" 1102
"Pre treatment of rats and hamsters with di ethyl stilbestrol effects on metabolic enzyme activity and AMES test results" 1139
"Metabolic activation and inactivation of benzo(a)pyrene in GMK (green monkey kidney) primary culture cells. Characterization of enzyme activities with the use of inhibitors" 975
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962
Enzyme Control
"Role of glucuronidation and sulfation in the control of reactive metabolites" 861
Enzyme Immunoassay
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
Enzyme Induction
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
Enzyme Metabolism
"Aryl hydrocarbon hydroxylase, epoxide hydrolase, and benzo(a)pyrene metabolism in human epidermis: comparative studies in normal subjects and patients with psoriasis" 2048
Enzyme Regulation
"Differential regulation of 2 microsomal epoxide hydrolases in hyperplastic nodules from rat liver" 853
EPA Method 5
"Simplified measurement technique for polycyclic aromatic hydrocarbons using the EPA Method 5 sampling train" 85

EPA Method 610
"EPA (Environmental Protection Agency) method study 20, method 610--PNA'S (Polynuclear Aromatic Hydrocarbons). EPA-600/4-84-063" 107
Epidemiologic Triage
"Mortality among workers exposed to coal tar pitch volatiles and welding emissions: an exercise in epidemiologic triage" 2148
Epidemiology
"A job-exposure matrix for use in population based studies in England and Wales" 2123
"Cancer risk from polycyclic hydrocarbons at the workplace: Critical evaluation of recent publication" ... 2031
"Selection, follow-up, and analysis in the Coke Oven Study" 2133
Epidermal Carcinogenesis
"In vitro analysis of multistage epidermal carcinogenesis: development of indefinite renewal capacity and reduced growth factor requirements in colony forming keratinocytes precedes malignant transformation" 1729
Epidermal Cells
"Cell cycle-dependent aryl hydrocarbon hydroxylase activity of epidermal cells in-vitro" 1021
Epidermal Keratinocytes
"The induction and inhibition of benzo(a)pyrene metabolism in human epidermal keratinocytes and dermal fibroblasts" 882
"Polycyclic aromatic hydrocarbon mutagenesis of human epidermal keratinocytes in culture" 1056
Epidermal Proteins
"Inhibition of the covalent bond of benzo(a)pyrene to epidermal proteins by indomethacin" 1305
Epiphyte
"Air pollution patterns in two cities of Colombia, S.A. according to trace substances content of an epiphyte (Tillandsia recurvata L.)" 482
"Statistical models for the accumulation of PAH, chlorinated hydrocarbons and trace metals in epiphytic Hypnum cupressiforme" 509
Epithelial Alterations
"Epithelial alterations in explant cultures of fetal tracheae of Syrian Golden hamsters" 1264
Epithelial Cells
"Conjugation of benzo(a)pyrene with glutathione in epithelial and fibroblastoid cell lines" 1190
"Neoplastic transformation of mammary epithelial cells in culture" 1197
Epithelial Keratinization
"Acceleration of epithelial keratinization by carcinogens in fetal rat forestomach in organ culture" .. 1289

Epithelium
"Biochemical studies of the tracheobranchial epithelium" 1570
Epoxidation
"Cytochrome P-450-catalyzed stereoselective epoxidation at the K region of benz(a)anthracene and benzo(a)pyrene" 2014
"Hematin-catalyzed epoxidation of 7-8-dihydroxy-7 8-dihydrobenzo(a)pyrene by polyunsaturated fatty-acid hydroperoxides" 888
Epoxide Enantiomers
"Resolution of epoxide enantiomers of polycyclic aromatic hydrocarbons by chiral stationary-phase high-performance liquid chromatography" 212
Erythrocytes
"The life span and osmotic fragility of erythrocytes in mice bearing benzo(a) pyrene - induced fibrosarcoma" 1769
Escherichia coli
"Dinitropyrene-resistant Salmonella-typhimurium and escherichia-coli are deficient in an acetylcoenzyme a acetyltransferase" 1701
"Evaluation of Escherichia-coli K-12 343-113 and derived strains for microbial mutagenicity analysis" 1517
"Reproducibility of microbial mutagenicity assays 1. Tests with Salmonella-typhimurium and Escherichia-coli using a standardized protocol" 1244
"Mutagenicity of nitropyrenes for Escherichia coli: requirement for increased cellular permeability" 970
"Biological effects of dyes on bacteria 6. Mutation induction by acridine orange and methylene blue in the dark with special reference to Eschericia-coli WP-6-POLA-1" 1972
"Antimutagenic factor(s) produced by escherichia coli" .. 1916
Esophagus
"Activation of chemical carcinogens by cultured human fetal liver, esophagus and stomach" 1073
Esox lucius
"Subfractionation of the head and trunk kidneys of the Northern Pike (Esox Lucius)" 848
"The uptake and distribution of [3H]benzo[a]pyrene in the Northern pike (Esox lucius). Examination by whole-body autoradiography and scintillation counting" . 849
Estrogen
"Characterization of steroid binding in estrogen dependent and independent rat mammary carcinomas" 1143
"Role of estrogen and prolactin in stimulation of carcinogen induced mammary tumor development by a high fat diet" 1075
Estuarine Fish
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338

Estuary
"2-stage mineralization of phenanthrene by estuarine enrichment cultures" 323
"Behavior of some PAH, PCB and organochlorine pesticides in an estuary, a comparison - Exe, Devon" 333
"Behaviour of organic micropollutants (PAH, PCB and BHC) and of a fecal sterol in the Husum estuary and in the adjacent North Frisian Wadden Sea" 334
"Bioavailability and biotransformation of aromatic hydrocarbons in benthic organisms exposed to sediment from an urban estuary" 529
"Carbonized coal products as a source of aromatic hydrocarbons to sediments from a highly industrialized estuary" 734
"Distribution, composition and source of polycyclic aromatic hydrocarbons in sediments of the River Tamar catchment and estuary, U. K." 765
Ethanol Consumption
"Comparison of effect of chronic ethanol consumption by Syrian hamsters on liver metabolism and mutagenicity of benzo(a)pyrene and N-nitrosopyrrolidine" 1218
"Effects of chronic ethanol consumption on benzo(a)pyrene metabolism and glutathione S-transferase activities in Syrian golden hamster cheek pouch and liver" 981
Eugenol
"Anti-carcinogenic effects of the administration of a plant essential oil component, eugenol. I. Inhibition of mutagenicity of benzpyrene and 2-acetylaminofluorene by S-9 fraction of liver from eugenol-administered rats" 2017
Evening Primrose Oil
"Benzo(a)pyrene-induced genetic damage in mice can be prevented by evening primrose oil" 1203
Evolution
"Evolution and cancer" 1152
"Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons" 922
"Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons" 922
Evolutionary Role
"Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons" 922
Excretion
"Alterations in patterns of excretion and other metabolic functions in developing fish embryos exposed to benzo(a)pyrene" 1471
"Excretion of 3-hydroxy-benzo(a)pyrene and mutagenicity in rat urine after exposure to benzo(a)pyrene" 1428
"Excretion and metabolism of 1-nitropyrene in rats after oral or intraperitoneal administration." 1247

Excretion (cont)
"High dissolved carbon phosphorus excretion ratios for large benthic marine invertebrates" 1034
"Metabolism and urinary excretion of mutagenic metabolites of benzo[a]pyrene in C57 and DBA mice strains" 1153
"Metabolism of benzo(a)pyrene and excretion of metabolites by control rats and rats given pretreatment with enzyme inducers, phenobarbital and 3-methylcholanthrene" 1964
"Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary benzo[a]pyrene or 1,2-dimethylhydrazine" 1065
"Toxicokinetics of benzo(a)pyrene in rats following intratracheal installation" 1979
"Uptake and excretion of benzo(a)pyrene by trout embryos and sac fry" 1472
"Urinary excretion of 3-hydroxy-benzo[a]pyrene after percutaneous penetration and oral absorption of benzo[a]pyrene in rats" 928
Exhaust Gas
"Determination of polycyclic compounds and their nitro derivatives in exhaust gas particulate by capillary column chromatography" 708
"Exhaust gas sampling and analysis in small-scale synfuel combustion" 643
"In vivo metabolism, disposition and macromolecular binding of 1-nitro(14C)pyrene vapour-coated onto diesel particulates" 1081
Expectorate
"Counting alveolar macrophages (AM) from expectorate samples of exposed workers as a test for lung irritation from occupational exposure" 2082
"Testing for mutagens in an aluminum plant. The results of Salmonella typhimurium tests on expectorates from exposed workers" 2104
Explant Metabolism
"Rat and human explant metabolism, binding studies, and DNA adduct analysis of benzo(a)pyrene and its 6-nitro derivative" 1295
Exposure
"1-hydroxypyrene in human urine after exposure to coal tar and a coal tar derived product" 2098
"Air pollutant emissions, concentrations, and exposures from biomass combustion: the cigarette analogy" 783
"Alkylation of hemoglobin in mouse after exposure to benzo(a)pyrene" 1858
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry castings operations. Volume 1." 2145

Exposure (cont)
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry casting operations. Volume 5" 2146
"Current trends in the biological monitoring of exposure to carcinogens" 2163
"Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants" 2167
"Diesel exhaust exposure and lung cancer: a case--control study" 2085
"Effect of acute benzo(a)pyrene exposure on pulmonary defense mechanisms in the mouse" 1834
"Effect of prolonged exposure to carbon black particles on the pulmonary clearance of inhaled diesel particles" . 1510
"Exposure of two species of deposit-feeding amphipods to sediment-associated (3H)benzo(a)pyrene: uptake, metabolism and covalent binding to tissue macromolecules" 1777
"Exposure of the hamster alimentary tract to benzo(a)pyrene metabolites produced in the nose" 884
"Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood" 2053
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
"Health effects assessment for phenanthrene. EPA/540/1-86/029" 2065
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
"Lysosomal responses to a polynuclear aromatic hydrocarbon in a marine snail: effects of exposure to phenanthrene and recovery" 979
"Monitoring exposure to polynuclear aromatic compounds via room temperature phosphorescence from solid substrates" 2168
"Possible risk of liver diseases from exposure to bitumen" 2051
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo(a)pyrene" 1856
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo[a]pyrene" 1003
"Quantitation of exposure to benzo[a]pyrene with monoclonal antibodies" 2139
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888

Exposure (cont)
"Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene" 1949
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds and ozone" 388
Expressway
"In situ emission levels of carcinogenic and mutagenic compounds from diesel and gasoline engine vehicles on an expressway" 661
Extraction
"Analysis of Shpol'skii fluorometry at 10 K for polynuclear aromatic hydrocarbons in the environment: sampling and extraction procedures, quantitative results" 544
"Efficiency of extraction of polynuclear aromatic hydrocarbons from waters containing large amounts of suspended solids" 2211
"Solvents and techniques for the extraction of polynuclear aromatic hydrocarbons from filter samples of diesel exhaust" 590
Eye Mutation Test
"Mutagenic activity of some intercalating compounds in the drosophila zeste somatic eye mutation test" 2007
F-344 Rat
"Identification of ring oxidized metabolites of 1-nitropyrene in the feces and urine of germfree F-344 rats" 1259
"Metabolism of 1-nitro[U-4,5,9,10-14C]pyrene in the F344 rat" 1256
"Metabolism of uniformly carbon-14-labeled 1 nitropyrene in the F-344 rat" 895
Factor Analysis
"Factor analysis of atmospheric pollution by polycyclic aromatic hydrocarbons" 554
Fasting
"Stimulation of the production of mutagenic phenolic benzo(a)pyrene metabolites by fasting in perfused rat liver" 1277
Fat
"Calories fat and cancer" 1482
Fat Diet
"Modifying effect of dietary fat on benzo[a]pyrene-induced respiratory tract tumors in hamsters" 1096
"Effects of mammary tumor yield of reducing dietary fat after promotion by high-fat diet" 1158
"Role of estrogen and prolactin in stimulation of carcinogen induced mammary tumor development by a high fat diet" 1075

Fate
"Studies on the fate of carbazole in rats" 1348
Fate of Aromatics Model
"The fates of aromatics model (FOAM): description, application and analysis" 241
Fatty Acid
"Conversion of linoleic-acid hydroperoxide to hydroxy keto epoxyhydroxy and trihydroxy fatty-acids by hematin" 889
Fatty Acid Hydroperoxides
"Hematin-catalyzed epoxidation of 7-8-dihydroxy-7 8-dihydrobenzo(a)pyrene by polyunsaturated fatty-acid hydroperoxides" 888
Feces
"Identification of ring oxidized metabolites of 1-nitropyrene in the feces and urine of germfree F-344 rats" 1259
Ferric Oxide
"The effects of a cocarcinogen, ferric oxide, on the metabolism of benzo(a)pyrene in the isolated perfused lung" 1968
Fertilization
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
Fetal Cytochrome P-450
"Immunochemical examinations of cytochrome P-450 in various tissues of human fetuses using antibodies to human fetal cytochrome P- 450 P-450 HFLA" 2103
Fetal Hepatocytes
"Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture" .. 969
Fetal Liver Microsomes
"The ability of fetal liver microsomes of rats and mice to activate indirect mutagens in Salmonella mutagenicity test" 1813
Fetotoxicity
"Importance of the route of administration for genetic differences in benzo[a]pyrene-induced in utero toxicity and teratogenicity" 1511
"Induction of cytochrome P-448 in cultured fetal rat hepatocytes by benz(a)anthracene and dexamethasone" 1572
"Placental transfer of benzo(a)pyrene and induction of aryl hydrocarbon hydroxylase in rat and mouse embryos" .. 1668
"Stage-specific induction of sister-chromatid exchanges in utero" 1870
"Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene" 1949

Fetotoxicity (cont)
"The deposition of benzo(a)pyrene and its metabolites into fetal tissue: Influence of protein binding" 1576
"Xenobiotic metabolism in the maternal-placental-fetal unit: implications for fetal toxicity" 1722
Fetus
"Immunochemical examinations of cytochrome P-450 in various tissues of human fetuses using antibodies to human fetal cytochrome P- 450 P-450 HFLA" 2103
"Influence of glucocorticoids and polycyclic aromatic hydrocarbons on hepatic drug-metabolizing enzyme development during the perinatal period" 953
Fibers
"Biological effects of fibers Stantons hypothesis revisited" 1245
Fibroblastoid Cell
"Conjugation of benzo(a)pyrene with glutathione in epithelial and fibroblastoid cell lines" 1190
Fibroblasts
"A method for assaying aryl hydrocarbon hydroxylase in man using fibroblasts cultured in vitro from oral mucosa" 1097
"Fibroblasts from Franconis anemia patients are abnormally sensetive to the 7 8 diol 9 10 epoxide of benzo(a)pyrene but not to UV radiation" 2113
Fibrosarcoma
"The life span and osmotic fragility of erythrocytes in mice bearing benzo(a) pyrene - induced fibrosarcoma" 1769
Field Evaluation
"Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples" 210
"Small-scale field evaluations of land treatment of an oily hazardous waste" 2196
Field Tests
"Field tests of industrial boilers cofiring hazardous wastes" 2182
Filter Samples
"Solvents and techniques for the extraction of polynuclear aromatic hydrocarbons from filter samples of diesel exhaust" 590
Filtration
"Filtration for removal of polycyclic aromatic hydrocarbons from coke oven waste water" 2202
Fingerprinting
"Fingerprinting of crude oil spills" 46
"Spectral fingerprinting of polycyclic aromatic hydrocarbons in high-volume ambient air samples by constant energy synchronous luminescence spectroscopy" . 105

Firemen Training Facility
"Chemical and biological characterization of emissions from a fireperson training facility" 2043
Firetube Boiler
"Environmental assessment of a firetube boiler firing coal/oil/water mixtures. Volume 1. Technical results NACUREX/TR-81-89/EE- VOL-1" 618
Firewood
"Air pollution implications of increasing residential firewood use" 720
Fischer-344 Rat
"Biliary excretion and enterohepatic circulation of 1-nitropyrene metabolites in Fischer-344 rats" 973
Fish
"A note on the predominance of non-K-region metabolites of phenanthrene found in bony fishes" 1008
"Accumulation of benzo(a)pyrene in fish" 1032
"Alterations in patterns of excretion and other metabolic functions in developing fish embryos exposed to benzo(a)pyrene" 1471
"Benzo(a)pyrene in smoked fished" 724
"Benzo(a)pyrene metabolism in hepatic microsomes from feral and 3-methycholanthrene-treated southern flounder, Paralichthys lethostigma" 960
"Biotransformation of benzo(a)pyrene and covalent binding to hepatic DNA in benthic fishes" 1028
"Carcinogenic effects of river sediment extracts in fish and mice" 1109
"Comment on "Fish/sediment concentration ratios for organic compounds"" 261
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
"Comparative benzo[a]pyrene metabolite patterns in fish and rodents" 974
"Contaminants in fish from Great Lakes harbors and tributary mouths" 279
"Determination of polycyclic aromatic hydrocarbons in some Canadian commercial fish, shellfish, and meat products by liquid chromatography with confirmation by capillary gas chromatography-mass spectrometry" 381
"Environmental hazard profile of organic chemicals. An experimental method for the assessment of the behavior of organic chemicals in the ecosphere by means of simple laboratory tests with carbon-14-labeled chemicals" 297
"Evidence for polynuclear aromatic hydrocarbons in the diet of bottom-feeding fish" 393
"Fish/sediment concentration ratios for organic compounds" 272
"Frequencies of liver neoplasia in a feral fish population and associated carcinogens" 1092

Fish (cont)
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in fish and shellfish" 503
"Microcontaminants in Wisconsin's coastal zone" 441
"Mixed-function oxidases in fish their role in adaptation to pollution" 948
"Partition coefficients as a measure of bioconcentration potential of crude oil compounds in fish and shellfish" . 434
"Patterns of benzo[a]pyrene metabolism by varied species, organs, and developmental stages of fish" 1015
"Pollutant body burdens and reproduction in Platichthys Stellatus from San Francisco Bay. Final report" 1013
"Reply to comment on "Fish/sediment concentration ratios for organic compounds"" 273
"Research in fisheries contaminants and toxicology conducted by the Fisheries and Enviromental Sciences Division Fisheries Research Branch Scotia-Fundy Region Canada in 1984" 304
"Sensitivity of young striped bass to organic and inorganic contaminants in fresh and saline waters" 989
"Some regularities of the distribution of benzo(a)pyrene in the tissues of fish" 1033
"Some effects of polycyclic aromatic hydrocarbon-contaminated Elizabeth River USA sediments on fish" 911
"The prediction of bioconcentration in fish" 277
"The photoenhanced toxicity of anthracene to juvenile sunfish (Lepomis spp.)" 1699
"Toxicity of polyaromatic hydrocarbons and alkyl halides in Great Lakes fish to Daphnia Pulex" 1876
Fish Bile
"Determination of metabolites of xenobiotics in the bile of fish from polluted waterways" 944
Fish Gill Tissue
"Pathology of gill and liver tissues from genera of fishes exposed to 2 coal-derived materials" 1017
Fish Liver
"Metabolic activation of polycyclic aromatic hydrocarbons by fish liver cytochrome P-450" 841
Fish Liver Tissue
"Pathology of gill and liver tissues from genera of fishes exposed to 2 coal-derived materials" 1017
Fish Smoking Industry
"Thermooxidative treatment of resin-containing waste gases from the fish-smoking industry" 791
Flame Ionization Detection
"Class separation of higher hydrocarbons by thin-layer chromatography with flame ionization detection" 220

Flames
"Formation and destruction of organic pollutants in thermal systems and flames" 711
"Measurements of species concentrations in flames by laser-induced fluorescence. (Final report)" 120
Flavobacterium
"Degradation of some polycyclic aromatic hydrocarbons by a plasmid- containing flavobacterium species" 294
Flavonoids
"In vitro and in vivo activation of oxidative drug metabolism by flavonoids" 1501
Flounder
"A comparative study on the disposition of 3 aromatic hydrocarbons in flounder Platichthys-flesus" 1010
"An autoradiographic study of the chlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl, and the polycyclic aromatic hydrocarbon, phenanthrene, in flounder (Platichthys Flesus) accompanied by liquid scintillation counting" 1009
"Heterogeneity of hepatic aryl hydrocarbon hydroxylase activity in feral winter flounder: pseudopleuronectes-americanus relevance to carcinogenicity testing" 1102
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
"Comparative study on the fate of the polychlorinated biphenyl2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus), determined by liquid scintillation counting and autoradiography" 1007
"Comparative study on the fate of the polychlorinated biphenyl2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus), determined by liquid scintillation counting and autoradiography" 1012
Flow Cytometry
"Flow cytometry of acridine orange stained sperm is a rapid and practical method for monitoring occupational exposure to genotoxicants" 2070
Flue Gas
"Flue gas emission from peat fuelled plants - A literature review" 751
"Determination of vaporous POM in flue gas by high-performance liquid chromatography" 739
"Estimation of benz(a)pyrene levels in flue gases from fuel oil-burning boilers" 640
"Carcinogenic activity of coal flue gas and fractions thereof" 1413

Fluid Chromatography
"Capillary supercritical fluid chromatography of high-molecular-weight polycyclic aromatic hydrocarbons" . 86
"Supercritical fluid chromatography/supersonic jet spectroscopy progress report, February 1 - April 30, 1984" 123
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report August 1, 1984 - October 31, 1984" 121
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report May 1 - July 31, 1984" ... 122
Fluidized Bed
"Characterization of emissions from a fluidized-bed wood chip home heating furnace. NRTI-1914=70-01F" 809
"Chemical and toxicological characterization of organic constituents in fluidized-bed and pulverized coal combustion: A topical report" 597
Fluidized Bed Boilers
"Morphology and chemical composition of some fly ash samples from the TNO's atmospheric fluidized bed boiler test facility" 641
Fluidized Bed Incinerator
"The design and demonstration of a fluidized bed incinerator for the destruction of hazardous organic materials in soils" 2193
Fluidized Bed Reactor
"Nitration of polycyclic aromatic hydrocarbons adsorbed to different carriers in a fluidized bed reactor" 763
Fluidized Coal
"Combustion of oil shale, fluidized coal and pyrolysis fuel oil residues in a stationary gas turbine" 706
Fluidized-Bed Combustors
"On-line instrumentation for the real-time monitoring of polynuclear aromatic hydrocarbons in the effluents from a fluidized bed combustor - A feasibility study. ERDA/440300" 42
Fluoranthene
"Absorption of crude coal tar products in patients with psoriasis" 1892
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
"Analysis of mononitro-isomers of fluoranthene and pyrene by high- resolution capillary gas chromatography-mass spectrometry" 159
"Characterization of airborne trace metal and trace organic species from coal gasification" 753
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
"Contained dredged material for open ocean disposal" 2180

Fluoranthene (cont)
"Environmental assessment of a firetube boiler firing coal/oil/water mixtures. Volume 1. Technical results NACUREX/TR-81-89/EE- VOL-1" 618
"Fluoranthene and pyrene enhance benzo[a]pyrene--DNA adduct formation in vivo in mouse skin" 1786
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477
"Investigations of the effluents produced during the functioning of colored smoke devices. II" 598
"Land treatment of contaminated sludge with wastewater irrigation" 2183
"Mutagenicity of nitrofluoranthenes, 3-aminofluoranthene and 1-nitropyrene in Chinese hamster V79 cells" 1104
"Mutagenicity of reaction product and reaction between fluoranthene and aqueous chlorine" 1910
"Products obtained during combustion of polymers under simulated incinerator conditions. I. Polyethylene" 669
"Products obtained during combustion of polymers under simulated incinerator conditions. III. Poly(vinyl chloride)" 671
"Relative rates and partial combustion products from the burning of chlorobenzenes and chlorobenzene mixtures" ... 811
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
"The long-range transport of organic pollutants to the Arctic" 432
"The measurement of on-the-fly Fourier transform infrared reference spectra of environmentally important compounds" 73
"The controversial emission spectrum of fluoranthene" ... 79
"Tumorigenicity of fluoranthene in a newborn mouse lung adenoma bioassay" 1147
Fluorene
"A survey analysis of resistant organic chemicals in water by high resolution gas chromatography/mass spectrometry" 777
"A quantitative comparison of a percentile rule with a 2-fold rule for assessing mutagenicity in the AMES assay" 1157
"Absorption of crude coal tar products in patients with psoriasis" 1892

Fluorene (cont)
"Activities of drug-metabolizing enzymes in isolated gamma glutamyl transpeptidase positive prenoplastic hepatocytes from carcinogen treated rats" 1508
"Analysis of organics in the environment by functional group using a triple quadrupole mass spectrometer" 342
"Biodegradation of topped Kuwait crude" 260
"Carbon-13 NMR phosphorus-31 NMR studies of the conformation of carcinogen-modified nucleic-acid dimers" 862
"Chemical enhancement of SA-7 virus transformation of hamster embryo cells interlaboratory testing of diverse chemicals" 1353
"Cofiring of hazardous wastes in industrial boilers" 2181
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
"Comparison of laboratory and field assessment of fluorene - part II: effects on the ecological structure and function of experimental pond ecosystems" 258
"Comparison of genotoxic effects of environmental carcinogens in hepatocytes from mouse, rat, hamster, and human" 1394
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
"Effects of dietary fats and butylated hydroxytoluene on mutagen activation in rats" 1747
"Effects of dietary fats and butylated hydroxytoluene (BHT) on hepatic activation of benzo(a)pyrene, 2-acetylaminofluorene and 2- aminofluorene" 1746
"Effects of some environmental agents on the elimination kinetics of theophylline" 1131
"Environmental carcinogens in human target tissues in cultures. Progress report" 1393
"Evaluation of analytical methods for the determination of POHC in combustion products" 87
"Field tests of industrial boilers cofiring hazardous wastes" 2182
"Human absorption of crude coal tar products" 2153
"Identification of extractable organic chemicals in sewage effluent by gas chromatography/mass spectrometry" 778
"Influence of microbial adaptation on the fate of organic pollutants in groundwater" 542
"Investigations of the effluents produced during the functioning of colored smoke devices. II" 598
"Mechanistic aspects of initiation and promotion in C-3H-10T-1-2 cells" 1122
"Microbial degradation of selected aromatics in a hazardous waste site" 383
"Monitoring polycyclic aromatic hydrocarbons at a coal gasification facility: Preliminary results" 692

Fluorene (cont)
"Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite" 1691
"Mutagenicity of 7 polycyclic aromatic hydrocarbon compounds in Drosophila" 1068
"Occurrence and distribution of organic chemicals in two landfill leachate plumes" 766
"Photo oxidation of a polycyclic aromatic amine chemical identification of stable and direct acting mutagenic photo products" 1895
"Pre treatment of rats and hamsters with di ethyl stilbestrol effects on metabolic enzyme activity and AMES test results" 1139
"Products obtained during combustion of polymers under simulated incinerator conditions. I. Polyethylene" 669
"Products obtained during combustion of polymers under simulated incinerator conditions. II. Polystyrene" 670
"Products obtained during combustion of polymers under simulated incinerator conditions. III. Poly(vinyl chloride)" 671
"Rat liver DNA damage by the nonhepatocarcinogen 3 2 dimethyl-4- amino bi phenyl" 1368
"Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process" .. 2189
"Structure-activity relationships of 2-X-7 nitrogen dioxide fluorenes in the AMES Salmonella assay" 1954
"Tests for induction of presumed dominant-lethal effects in female mice" 1304
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. II Laboratory studies" 446
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
"The measurement of on-the-fly Fourier transform infrared reference spectra of environmentally important compounds" 73
"The effect of chrysene and some polycyclic aromatic hydrocarbons on the elimination of theophylline in rats" 1132
"Toxic responses of the green alga Dunaliella bioculata (Chlorophycea, Volvocales) to selected oxidized hydrocarbons" 1366
Fluorescence
"A new method for resolution of two- and three-component mixtures of fluorophores by phase-sensitive detection of fluorescence" 102
"A study of chemical carcinogenesis. 84. Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" 7

Fluorescence (cont)
"Determination of nitro-polynuclear aromatic hydrocarbons in diesel soot by liquid chromatography with fluorescence and electrochemical detection" 726
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high performance thin-layer chromatography and fluorescence scanning densitometry" . 267
"Fluorescence study of pyrene and naphthalene in cyclodextrin- amphiphile complex systems" 75
"Qualitative identification of polycyclic aromatic hydrocarbons by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 32
Fluorescence Analysis
"Real-time fluorescence analysis of the controlled incineration of army colored smoke compositions" 723
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
Fluorescence Decay
"Fluorescence decay of pyrene in small and large unilamellar L, alpha-dipalmitoylphosphatidylcholine vesicles above and below the phase transition temperature" 883
Fluorescence Detection
"Determination of polycyclic aromatic hydrocarbons in Canadian samples of processed vegetable and dairy products by liquid chromatography with fluorescence detection" 382
Fluorescence Imaging
"Cellular uptake and intracellular localization of benzo(a)pyrene by digital fluorescence imaging microscopy" 1743
Fluorescence Quenching
"Interactions of several polycyclic aromatic hydrocarbons with DNA base molecules studied by absorption spectroscopy and fluorescence quenching" 173
Fluorescence Scanning
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 431
Fluorescence Spectra
"Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" .. 8
Fluorescence Spectrometry
"Identification of polyaromatic hydrocarbon mixtures by low-temperature constant energy synchronous fluorescence spectrometry" 104
"Fluorescence line narrowing spectrometry: Applications to polynuclear aromatic compounds in organic glasses. ERDA/400104" 128

Fluorescence Spectrometry (cont)
"Polarity of chemically modified silica surfaces and its dependence on mobile-phase composition by fluorescence spectrometry" 183
"High-performance liquid chromatography-time resolved fluorescence spectrometry for determination of polycyclic aromatic hydrocarbons in water" 60
"An applied synchronous fluorescence spectrophotometric assay to study benzo(a)pyrenediol epoxide-DNA adducts" .. 197
"Detection of benzo(a)pyrene diol epoxide-DNA adducts by synchronous fluorescence spectrophotometry and ultrasensetive enzymatic radioimmunoassay in coke oven workers" 198
"beta-Induced fluorescence spectra of some polynuclear aromatic hydrocarbons" 53
"Identification of polycyclic aromatic hydrocarbon metabolites and DNA adducts in mixtures using fluorescence line narrowing spectrometry" 1821
"Identification of polycyclic aromatic hydrocarbon metabolites in mixtures using fluorescence line narrowing spectrometry" 1822
Fluorescence Spectroscopy
"Fluorescence spectroscopic study of reactions between gaseous ozone and surface-adsorbed polycyclic aromatic hydrocarbons" 545
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
Fluorine
"Effects of methyl and fluorine substitution on the metabolic activation and tumorigenicity of polycyclic aromatic hydrocarbons" 1357
Fluorite Crystals
"Composition of polycyclic aromatic hydrocarbons in fluorite crystals" 293
Fluorometric Photodiode
"Miniature fluorometric photodiode array detection system for capillary chromatography" 64
Fluorometry
"3-dimensional fluorometry for the detection of DNA adducts" 139
"A method for assaying aryl hydrocarbon hydroxylase in man using fibroblasts cultured in vitro from oral mucosa" 1097
"Determination of isomeric aromatic compounds in natural extract samples (petroleum, sediment, aerosol) by high resolution fluorometry" 306

Fluorometry (cont)
"Oxidation of benzo(a)pyrene and 7,8-dihydro-7, 8-dihydroxybenzo(a)pyrene by horseradish peroxidase-hydrogen peroxide intermediate: fluorometric study" 2009
"Time-resolved fluorescence anisotropies of diphenylhexatriene and perylene in solvents and lipid bilayers obtained from multifrequency phase-modulation fluorometry" 117
Fluorophores
"A new method for resolution of two- and three-component mixtures of fluorophores by phase-sensitive detection of fluorescence" 102
Fly Ash
"Comparative analysis of hazardous compounds on fly-ash from municipal waste incineration by gas chromatography/mass spectrometry" 816
"Identification of mutagenic constituents in coal-combustion fly ash" 827
"Polycyclic aromatic hydrocarbons of coal fly ash: analysis by gas-liquid chromatography using nematic liquid crystals" 786
"Chemical reactivity of polycyclic organic compounds adsorbed on coal fly ash and related solid surfaces. Progress report" 798
"Analysis for polycyclic aromatic compounds in the fly ash of an incineration plant for radioactive waste" 797
"Photodegradation of phenanthrene on metal oxides and fly ashes" 653
"Photodegradation of phenanthrene on metal oxides and fly ashes" 655
"The leachability of carbon-14-labelled 3-4-benzopyrene from coal ash into aqueous systems" 583
"Isolating fly ash adsorbed benz(a)anthracene-14 C and benzo(a)pyrene-14 C using liquid extraction" 584
"Daily variations in composition of extractable organic compounds in fly-ash from municipal waste incineration" . 600
"Analysis of organic and mineral constituents of fly ash from the Gardanne coal-fired power station" 737
"Morphology and chemical composition of some fly ash samples from the TNO's atmospheric fluidized bed boiler test facility" 641
"Contribution of nitropyrene to the mutagenic activity of coal fly ash" 1343
Fogwater
"Concentrations of pollutants in fogwaters of NE-Bavaria, FRG, using a Grunow fogwater sampler" 483
Food
"Analysis of foods (additives). Determination of 3,4-benzpyrene in liquid paraffin and paraffin wax" 569

Food (cont)
"Comparison of a capillary gas chromatographic and a high-performance liquid chromatographic method of analysis for polycyclic aromatic hydrocarbons in food" . 45
"Determination of contaminants in food" 634
"Development and application of methodology for the trace analysis of polycyclic aromatic hydrocarbons (PAH) in foods: PDR program" 43
"Estimation of nitropolycyclic aromatic hydrocarbons in foods" 617
"Monitoring of domestic and imported foods for contaminants with special reference to pesticides, mycotoxins and polycyclic aromatic hydrocarbons" 2137
"Part of technological processes in the occurrence of benzo[a]pyrene in foods" 2032
"Polycyclic aromatic hydrocarbons in selected foods; analysis and occurrence" 521
"Toxicologic strategy for mutagens formed in foods during cooking: Status and needs" 1351
Forearm
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
Forecasting
"Forecasting fate and effects of aromatic hydrocarbons in aquatic systems" 240
Forest Ecosystems
"Annual rates of deposition of polycyclic aromatic hydrocarbons in different forest ecosystems" 403
Forest Fires
"The ratio of benzo(a)pyrene to particulate matter in smoke from prescribed burning" 825
Forested Areas
"Immission measurements in forested areas of the Eggegebirge and the Eifel" 756
Forestry Burning
"Validating a simplified determination of benzo(a)pyrene in particulate matter from prescribed forestry burning" . 824
Forklifts
"Forklift trucks. Chemical pollution, noise, vibration" . 2057
"Measurement of exhaust emissions from diesel-powered forklifts during operations in ammunition storage magazines NPN-3611" 2160
Formation
"Conditions for the formation and methods for total burn-up of polycyclic aromatic hydrocarbons during combustion of natural gases" 792

Formation (cont)
"Differential stereoselectivity of cytochromes P-450b and P-450c in the formation of naphthalene and anthracene 1,2-oxides. The role of epoxide hydrolase in determining the enantiomer composition of the 1,2-dihydrodiols formed" 199
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
"Formation and transformation of particulate polycyclic organic matter emitted from coal-fired power plants and oil shale retorting Final report" 745
"Formation of hazardous substances and mutagenicity of PAH produced during the combustion process in a diesel engine" 672
"Formation of benzo(a)pyrene and nitrogen oxides in grain dryer burners" 595
"Formation and destruction of organic pollutants in thermal systems and flames" 711
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435
"Formation of polycyclic aromatic hydrocarbon via gas phase benzyne" 26
"Formation of nitroarenes from the reaction of polycyclic aromatic hydrocarbons with dinitrogen pentoxide" 148
"Formation and persistence of benzo(a)pyrene metabolite-DNA adducts" 1894
"Formation and disappearance of benzo[a]pyrene DNA-adducts in mouse epidermis" 1227
"Mutagen formation by the photochemical reaction of pyrene with nitrogen dioxide" 336
"PAH and soot formation in fuel-rich turbulent coal liquid and natural gas diffusion flames" 806
"Polycyclic aromatic hydrocarbon-DNA adducts. Formation, detection, and characterization" 88
"Studies on the formation of higher molecular hydrocarbons in burner-stabilized flames of different fuels and mixtures" 823
"The identification of nitrated polycyclic aromatic hydrocarbons in diesel particulate extracts and their potential formation as artifacts during particulate collection" 665
"The formation of mutagenic derivatives of benzo[a]pyrene by peroxidising fatty acids" 1589
"The formation of 9-hydroxychrysene-1,2-diol as an intermediate in the metabolic activation of chrysene" ... 914

Formation Pathway
"A possible formation pathway for 2-nitrofluoranthene observed in ambient particulate organic matter" 500
Forward Mutation Assay
"Validation of the salmonella (SV50)/arabinose-resistant forward mutation assay system with 26 compounds" 2008
Fossil Fuels
"The environmental effects of fossil fuels: A global perspective" 252
"Separation and characterization of very large neutral polycyclic molecules in fossil fuels by microcolumn liquid chromatography and mass spectrometry" 143
"Liquid chromatography separation of non-volatile components of fossil fuels at very high resolution. Final report" 144
Foundries
"Determination of organic pollutants in the air and in the used sands of iron foundries" 2089
Foundry Particulates
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1493
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1124
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1125
Frameshift Mutagenesis
"Frameshift mutagenesis by acridines in wild-type, uvrB and polA strains of Salmonella typhimurium with and without plasmid pKM101" 1273
Free Radical Formation
"Anthraquinone free-radical formation by mouse liver subcellular fractions" 1698
Free Radical Lipid
"Possible involvement of free radical lipid intermediate in hydroxylation of polycyclic hydrocarbons" 1234
Fresh Water
"Sensitivity of young striped bass to organic and inorganic contaminants in fresh and saline waters" 989
Frog Liver
"Microsomal monooxygenase system in frog livers" 984
Fry
"Uptake and excretion of benzo(a)pyrene by trout embryos and sac fry" 1472
Fuel Composition
"Control of pollutant emission from diesel engine vehicles by fuel modification (Part 4). Effect of fuel composition on the emission of benzo(a)pyrene" 750
Fuel Gas Burners
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802

Fuel Mixtures
"Emission of polycyclic aromatic hydrocarbons with combustion products of hydrocarbon-hydrogen fuel mixtures" 702
Fuel Modification
"Control of pollutant emission from diesel engine vehicles by fuel modification (Part 4). Effect of fuel composition on the emission of benzo(a)pyrene" 750
Fuel Oil
"Determination of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter and diesel fuel oil" .. 749
Fuel Oil Burning Boilers
"Estimation of benz(a)pyrene levels in flue gases from fuel oil-burning boilers" 640
Fuels
"Studies on the formation of higher molecular hydrocarbons in burner-stabilized flames of different fuels and mixtures" 823
Fugacity Model
"Evaluating the environmental behavior of chemicals with a Level III fugacity model" 394
Fungal Metabolism
"Fungal metabolism and detoxification of polycyclic aromatic hydrocarbons" 870
"Fungal metabolism and detoxification of 1 nitropyrene" . 867
"Fungal metabolism and detoxification of the nitropolycyclic aromatic hydrocarbon 1-nitropyrene" 868
Fungitoxicity
"In-vitro evaluation of some acridine compounds for their fungitoxicity" 1168
Fungus
"Fungal hydroxylation of ethylbenzene and derivatives" .. 338
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella-elegans" 871
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella elegans" 872
Gadus morhua
"Uptake and elimination of aromatic hydrocarbons and a chlorinated biphenyl in eggs and larvae of cod Gadus morhua" 1011
Gambusia affinis
"DNA damage by benzo[a]pyrene in the liver of mosquito fish Gambusia affinis" 852
Gamma Linolenic Acid
"Benzo(a)pyrene and gamma-radiation-induced genetic damage in mice can be prevented by gamma-linolenic acid but not by arachidonic acid" 1202
Gamma-Glutamyl Transferase
"Behavior of blood gamma glutamyl transferase in workers exposed to hepatoxic agents" 2050

Garbage Dump
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
Gardens
"Polycyclic aromatic hydrocarbons (PAH) in the soil of gardens owned by workers in the city of Cracow (Poland)" 414
Gas Appliances
"Emission rates from unvented gas appliances" 699
Gas Burners
"Identification of mutagens generated from gas and liquefied petroleum gas burners" 707
Gas Chromatography
"GC/MS identification of organic pollutants in the Caroni River, Trinidad" 417
"Organic sulfur compounds and polycyclic hydrocarbons transferred to oyster and mussel from petroleum suspension. Identification by gas chromatography and capillary mass chromatography" 433
"Rates of microbial degradation of petroleum components as determined by computerized capillary gas chromatography and computerized mass spectrometry" 439
"Gas chromatographic investigation of polycyclic aromatic hydrocarbons in Karachi Lake brine" 474
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
"Determination of polycyclic aromatic hydrocarbons in some Canadian commercial fish, shellfish, and meat products by liquid chromatography with confirmation by capillary gas chromatography-mass spectrometry" 381
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up procedure consisting of liquid-liquid and reversed phase (octadecyl)-partitioning" 180
"Relationship between gas chromatographic retention indices and molecular connectivities of nitrated polycyclic aromatic hydrocarbons" 49
"Isolation of mononitrated polycyclic aromatic hydrocarbons in particulate matter by liquid chromatography and determination by gas chromatography with the thermal energy analyzer" 196
"Determination of nitrogen compounds in hydrotreated shale oils by preparative high-performance liquid chromatography and gas chromatography-mass spectrometry" 35
"Thermal desorption techniques for gas chromatographic analysis of particulate matter" 110

Gas Chromatography (cont)
"Polycyclic aromatic hydrocarbons. III. Analysis of environmental samples by computerized gas chromatography-mass spectrometry" 68
"Evaluation of the mutagenicity and the identification of airborne particulate extracts by a gas chromatography-mass spectrometry computer data system" . 226
"Sample enrichment for gas chromatographic-mass spectrometric analysis of polynuclear aromatic hydrocarbons in water and in organic mixtures" 30
"Comparison of a capillary gas chromatographic and a high-performance liquid chromatographic method of analysis for polycyclic aromatic hydrocarbons in food" . 45
"Characterization of malodorous volatiles in air using olfactometry and computer assisted capillary-gas chromatography-mass spectrometry" 193
"Determination of organic water pollutants by the combined use of high-performance liquid chromatography and high-resolution gas chromatography" 63
"Simplified determination of polycyclic aromatic hydrocarbons" 15
"Interim protocol for the automated analysis of semivolatile organic compounds by gas chromatography/Fourier transform infrared (GC/FT-IR) spectrometry" 72
"Comment on the paper "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 138
"Applications of a computerized flow programmer for capillary column gas chromatography" 145
"Prediction of retention indicies of polynuclear aromatic hydrocarbons. Part II. Capillary gas chromatography ERDA/400105" 78
"Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry" 157
"Synthesis, separation and identification by capillary column gas chromatography of polycyclic aromatic hydrocarbons" 40
"Reply to the comment of Dr. Nielsen on "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 158
"Analysis of mononitro-isomers of fluoranthene and pyrene by high-resolution capillary gas chromatography-mass spectrometry" 159
"Studies on an automated survey system of environmental chemicals by gas chromatography-mass spectrometry-computer. I. Retrieval system of mass spectra" 175

Gas Chromatography (cont)
"Separation and analysis of 3-nitro-benzo(e)pyrene and 1-nitro-benzo(a)pyrene, 3-nitro-benzo(a)pyrene and 6-nitro-benzo(a)pyrene via fused silica gas chromatography combined with negative ionization atmospheric pressureionization mass spectrometry"..... 111
"Capillary column gas chromatographic determination of nitro polycyclic aromatic compounds in particulate extracts" 33
"Gas chromatography of polycyclic aromatic hydrocarbons on glass and quartz capillary columns with polysiloxane stationary phases" 165
"Characterization of polycyclic organic matter in urban air particulate matter by gas chromatography-electron impact and negative ion chemical ionization mass spectrometry" 463
"High performance liquid chromatographic separation and gas chromatography-mass spectrometric analysis of polar components in coal- derived distillate oil" 167
"Analysis of aromatic hydrocarbons. Prediction of gas chromatographic retention indexes on different stationary phases and temperatures" 168
"Direct determination of the phenanthrene and methylphenanthrene isomer distribution in crude oils by multidimensional capillary GC" 170
"Determination of series of aromatic isomers by high resolution spectrofluorometry and capillary gas chromatography in HPLC fractions of crude petroleums and sedimentary rock extracts" 638
"Use of gas chromatography for the determination of the composition of anthracene oil, from coal tar" 113
"Comparative analysis of hazardous compounds on fly-ash from municipal waste incineration by gas chromatography/mass spectrometry" 816
"Comparative chemical analysis of commercial creosotes and solvent refined coal-II materials by high resolution gas chromatography" 828
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemi luminescent detection" 834
"Determination of polynuclear aromatic hydrocarbons in petroleum oils by combination of thin-layer chromatography and gas chromatography-mass spectrometry" 767
"Identification of oxygenated polycyclic aromatic hydrocarbons in diesel particulate matter by capillary gas chromatography and capillary gas chromatography/mass spectrometry" 772

Gas Chromatography (cont)
"Quantitation of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter by high-performance liquid chromatography fractionation and high-resolution gas chromatography" 803
"Identification of organic compounds obtained from incineration of municipal waste by high-performance liquid chromatographic fractionation and gas chromatography-mass spectrometry" 804
"A survey analysis of resistant organic chemicals in water by high resolution gas chromatography/mass spectrometry" 777
"Identification of extractable organic chemicals in sewage effluent by gas chromatography/mass spectrometry" 778
"Determination of basic nitrogenous components in Shengli (China) and California (USA) straight run diesel fuels (204-360.degree.C) by gas chromatography" 681
"Gas chromatographic-mass spectrometric computer analysis of incinerator wastewaters" 780
"Profiling PAH emissions by open-tubular column gas chromatography with liquid-crystal stationary phases" ... 577
"Determination of trace amounts of organic pollutants in the Yellow River by capillary column gas chromatography-mass spectrometry" 546
"Average daily respiratory intake of polycyclic aromatic hydrocarbons in ambient air determined by capillary gas chromatography" 2115
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemiluminescent detection" 2172
Gas Combustion Products
"Toxicological and chemical characterization of the process stream materials and gas combustion products of an experimental low-BTU coal gasifier" 582
Gas Fuel
"Purity of atmospheric emissions of bakery and pastry ovens using gas fuel" 759
Gas Particle Distribution
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203
Gas Scavenging
"Trace organic compounds in rain - II. Gas scavenging of neutral organic compounds" 386
Gas Turbine Engines
"Toxic characteristics of gas turbine engines with hydrogen atomization of hydrocarbon fuel" 1439
Gas-Liquid Chromatography
"Polycyclic aromatic hydrocarbons of coal fly ash: analysis by gas-liquid chromatography using nematic liquid crystals" 786

Gas-Liquid Chromatography (cont)
"Characterization of polycyclic aromatic hydrocarbons in air particulate extracts by liquid gas chromatographic methods" 405
"Gas-liquid chromatographic analyses. XXXIV. Separation and retention indices with retention increments of some nitrated polynuclear aromatic hydrocarbons on a low-polarity (SE-30) capillary column" 112
"Separation of methyl-substituted benz(c)acridines by gas-liquid chromatography and high-performance liquid chromatography" 100
"Gas-liquid chromatographic determination of polycyclic aromatic hydrocarbons in airborne particulates" 189
"Determination of the composition of heavy pyrolysis tar by chromatography-mass spectrometry and gas-liquid chromatography" 116
Gas-Phase Benzyne
"Formation of polycyclic aromatic hydrocarbon via gas phase benzyne" 26
Gasifier
"Personnel and plant area monitoring at the University of Minnesota Duluth gasifier. ORNL/TM-8551" 2063
Gasoline Engines
"In situ emission levels of carcinogenic and mutagenic compounds from diesel and gasoline engine vehicles on an expressway" 661
"Contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of gasoline engine exhaust condensate evaluated by implantation into the lungs of rats" 1322
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
Gasoline Exhaust
"Chemical and biological characterization of organic material from gasoline exhaust particles" 565
"Fractionation and chemical analysis of gasoline exhaust particulate extracts in connection with biological testing" 566
"Analysis of mononitro-isomers of fluoranthene and pyrene by high- resolution capillary gas chromatography-mass spectrometry" 159
"Mutagenic properties of gasoline exhausts" 1761
Gasoline Station
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555

Gene Mutations
"Effect of some phenols on the level of benzo(a)pyrene-induced gene mutations and carcinogenesis" 1714
"Induction of histo compatibitity gene mutations in germ cells of mice by chemical mutagens and-or virus inducing compounds" 1339
"Amitrol-induced cell transformation and gene mutations in Syrian hamster embryo cells in culture" 1942
Generation
"Generation and characterization of radiolabeled diesel exhaust" 622
Genes
"Multistage carcinogenesis involves multiple genes and mutiple mechanisms" 1976
"Tansforming genes from benzo(a)pyrene transformed Syrian hamster cell lines" 1741
Genetic Damage
"Benzo(a)pyrene and gamma-radiation-induced genetic damage in mice can be prevented by gamma-linolenic acid but not by arachidonic acid" 1202
"Benzo(a)pyrene-induced genetic damage in mice can be prevented by evening primrose oil" 1203
"Prostaglandins and their precursors can modify genetic damage-induced by gamma-radiation and benzo(a)pyrene" ... 1204
Genetic Factors
"Genetic factors in lung cancer" 2135
Genetic Monitoring
"Genetic monitoring of aluminum workers exposed to coal tar pitch volatiles" 2090
Genetic Targets
"Genetic targets in multistage carcinogenesis" 1297
Genetic Toxicology Assays
"Evaluation of human epithelial-derived cell lines as potential targets in genetic toxicology assays" 1191
Genetic Variation
"Genetic variation in cytochrome P-450 and xenobiotic metabolism in Drosophila-melanogaster" 1331
Genotoxic Activity
"Genotoxic activity and potency of 135 compounds in the Ames reversion test and in a bacterial DNA-repair test" . 1213
Genotoxic Substances
"Effects of some mycotoxins and synthetic genotoxic substances on the embryonic and larval development of Brachydanio rerio" 1208
Genotoxicants
"Flow cytometry of acridine orange stained sperm is a rapid and practical method for monitoring occupational exposure to genotoxicants" 2070

Genotoxicity

"A comparison of genotoxicity of automotive exhaust particles from laboratory and environmental sources" 1136
"Acute cyto genetic effect of sterigmatocystin on rat bone marrow cells in-vivo" 1947
"Comparison of rat and hamster hepatocyte DNA repair genotoxicity assays" 1478
"Correlation between mixed function oxidase enzyme induction and genotoxicity in-vivo" 1334
"Cytotoxicity/genotoxicity: the application of cell culture techniques to the measurement of marine sediment pollution" 1473
"Differentiated genotoxic response of carcinogenic and noncarcinogenic benzacridines and metabolites in rat hepatoma cells" 1543
"DNA sequence alterations in vivo following DNA modification by carcinogens" 1847
"Genotoxic effects of smoke emissions in mammalian cells" 1818
"Genotoxicity of selected priority pollutants to fish and mammalian cells in culture" 1884
"Genotoxicity of 1-nitropyrene in mouse lung after intratracheal instillation" 1613
"Genotoxicity of complex mixtures: CHO cell mutagenicity assay NPNL-5337" 1282
"How well do in vitro tests predict in vivo genotoxicity" 1243
"Identification and quantification of a messenger ribonucleic acid induced by polynuclear aromatic hydrocarbons--using a cloned human cytochrome P-450 gene" 935
"Induction of unscheduled DNA synthesis in primary cultures of rat pancreatic cells following in vivo and in vitro treatment with genotoxic agents" 1889
"Metabolic activation pathways of cyclopenta-fused PAH (polycyclic aromatic hydrocarbons) and their relationship to genetic and carcinogenic activity" 1660
"Mutagenicity of urine and feces after treatment of rats with known genotoxins" 1986
"Mutagens in rat urine and feces after treatment with genotoxic carcinogens" 1987
"Preimplantation genotoxic disruption of fetal development" 1403
"Relationship between genotoxicity and DNA adducts" 1395
"Risk of contamination of the living and working environment with genotoxic compounds in the processing of black coal tar" 2095
"The SOS Chromotest, a colorimetric bacterial assay for genotoxins: validation study with 83 compounds" 1753
"The metabolism of genotoxic substances" 1518

Genotoxicity (cont)
"The Ah Locus: receptor-mediated induction of several drug-metabolizing enzymes by polycyclic hydrocarbons" ... 1656
"The formation of genotoxic metabolites of benzo[a]pyrene by the isolated perfused rat liver, as detected by the bioluminescence test" 1101
"The effect of low boiling mineral oil fractions on the metabolism and genotoxic activity of benzo(a)pyrene" 1944
"Use of human blood cells in vitro for testing of chemicals for genotoxicity" 1794
Genotoxins
"Interindividual variation in the DNA binding of chemical genotoxins following metabolism by human bladder and bronchus explants" 1196
Germfree Animal
"Germfree animal as a tool to study role of gut microflora and nutrition in cancer" 996
Glass Capillary Columns
"Gas chromatography of polycyclic aromatic hydrocarbons on glass and quartz capillary columns with polysiloxane stationary phases" 165
Glass Fiber Filter
"Collection of airborne polycyclic aromatic hydrocarbons and other organics with a glass fiber filter-polyurethane foam system" 364
"Sampling ambient air for mutagenicity testing by high-volume filtration on glass-fiber filters and on XAD-2" 4
Glass Surfaces
"Environmental transformation of 1-nitropyrene on glass surfaces" 247
Glass Workers
"Cytogenetic analysis of peripheral blood lymphocytes in glass workers occupationally exposed to mineral oils" ... 2150
Glucose
"Plasma corticosteroid and glucose responses to pollutants in striped mullet: different effects of naphthalene, benzo(a)pyrene and cadmium exposure" 1022
Glucose Metabolism
"Effects of four aromatic organic pollutants on microbial glucose metabolism and thymidine incorporation in marine sediments" 854
Glucuronide
"Characterization of mutagenic glucuronide formation from benzo(a)pyrene in the nonrecirculating perfused rat liver" 1441
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772

Glucuronide (cont)
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
Glucuronide Conjugates
"Separation of glucuronide, sulfate, and glutathione conjugates of benzo(a)pyrene by HPLC. ERDA/560300" 130
"H.p.l.c. of benzo[a]pyrene glucuronide, sulfate and glutathione conjugates and water-soluble metabolites from hamster embryo fibroblasts" 1601
Glutamyl Transpeptidase
"Sexual differences in the expression of gamma glutamyl transpeptidase during 5 9 dimethyldibenzo-C G-carbazole-induced hepatocarcinogenesis in mice" 1952
Glutathione
"Conjugation of benzo(a)pyrene with glutathione in epithelial and fibroblastoid cell lines" 1190
"Glutathione as an inhibitor of chromosomal breakage induced by 7- 12-dimethylbenz(a)anthracene benzo(a)pyrene cyclophosphamide and mitomycin C assessed by the in-vivo bone marrow micronucleus test" .. 1758
"Metabolic activation of benzo(a)pyrene 7 8 dihydrodiol and benzo(a)pyrene 7 8 dihydrodiol 9 10 epoxide to protein binding products and the inhibitory effect of glutathione and cysteine" 1422
"Modification of glutathione levels in C-3H-10-T-1-2 cells and its relationship to benzo(a)pyrene anti-7 8 dihydrodiol-9 10-epoxide induced cytotoxicity" 1378
"Quantitative significance of glutathione and glutathione-S-transferase in regulating benzo[a]pyrene anti diol-epoxide level in reconstituted C3H/10T1/2 cell lysates, and comparison to rat liver" 913
"Role of glutathione S transferases detoxification of reactive metabolites of benzo(a)pyrene-7 8 dihydrodiol by conjugation with glutathione" 1372
"The effects of glutathione on benzo(a)pyrene-induced cytotoxicity and mutagenicity in the CHO-HGPRT hypoxanthine-guanine phosphoribosyltransferase assay" .. 1774
Glutathione Conjugates
"Separation of glucuronide, sulfate, and glutathione conjugates of benzo(a)pyrene by HPLC. ERDA/560300" 130
"H.p.l.c. of benzo[a]pyrene glucuronide, sulfate and glutathione conjugates and water-soluble metabolites from hamster embryo fibroblasts" 1601
Glutathione Transferase
"Binding of benzo(a)pyrene to rat lung glutathione S-transferases in vivo" 1871
"In vivo binding of benzo(a)pyrene to glutathione S-transferases of rat lung" 1872

Glutathione Transferase (cont)
"Hereditary interindividual differences in the glutathione transferase activity towards trans stilbene oxide in resting human mononuclear leukocytes are due to a particular isozyme" 1000
"Quantitative significance of glutathione and glutathione-S-transferase in regulating benzo[a]pyrene anti diol-epoxide level in reconstituted C3H/10T1/2 cell lysates, and comparison to rat liver" 913
"Regiospecific and diastereoselective inactivation of mutagenic 9 10 dihydrobenzo(a)pyrene 7 8-oxide by hepatic cytosolic glutathione-s- transferase" 1971
Grain Dryer Burners
"Formation of benzo(a)pyrene and nitrogen oxides in grain dryer burners" 595
Granulosa Cell Tumors
"Carcinogen induced granulosa cell tumors in NZC-BL mice" 1303
Graphite Articles
"Respiratory system function in workers engaged in the manufacture of graphite articles" 2075
Graphite Manufacture
"Effect of complexes of carcinogenic chemical compounds on the microsomal oxidation system of workers in graphite manufacture" 2106
Great Lakes
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Distribution of polycyclic aromatic hydrocarbons in the Great Lakes" 283
"Cycling of polynuclear aromatic hydrocarbons in the Great Lakes ecosystem" 326
"Toxicity of polyaromatic hydrocarbons and alkyl halides in Great Lakes fish to Daphnia Pulex" 1876
Great Lakes Harbors
"Contaminants in fish from Great Lakes harbors and tributary mouths" 279
Great Lakes Tributary
"Contaminants in fish from Great Lakes harbors and tributary mouths" 279
Green Alga(e)
"The effect of 3,4-benzo(a)pyrene on the photosynthetic and respiratory intensity of the green alga Scenedesmus Quadricauda" 836
"Influence of 3 4 benzopyrene on the ultrastructure of the green alga Scenedesmus-Quadricauda in synchronous culture" 837
"Toxic responses of the green alga Dunaliella bioculata (Chlorophycea, Volvocales) to selected oxidized hydrocarbons" 1366

Green Alga(e) (cont)
"The phototoxicity of benzo[a]pyrene in the green alga Selenastrum capricornutum" 1179
"Identification of the 11,12-dihydro-11,12-dihydroxy-benzo(a)pyrene as a major metabolite produced by the green alga, Selenastrum capricornutum" 958
"Metabolism of benzo(a)pyrene by green algae" 936
Green Monkey Kidney
"Metabolic activation and inactivation of benzo(a)pyrene in GMK (green monkey kidney) primary culture cells. Characterization of enzyme activities with the use of inhibitors" 975
Groundwater
"Behavior of some organic micropollutants in river sediments and groundwater" 472
"Bonded-phase extraction column isolation of organic compounds in groundwater at a hazardous waste site" 769
"Ground water pollution by organic solvents and their microbial degradation products" 254
"Groundwater quality at a creosote waste site" 245
"Influence of microbial adaptation on the fate of organic pollutants in groundwater" 542
"Migration of wood-preserving chemicals in contaminated groundwater in a sand aquifer at Pensacola, Florida" 313
"Partitioning studies of coal-tar constituents in a two-phase contaminated groundwater system" 768
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
Growth
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
"Effects of acridine and temperature on the survival, development growth and reproduction of Diaptomus Clavipes Schacht" 1185
"Long-term growth of normal human mammary epithelial cells and establishement of partially transformed cell lines" 1886
Growth Factor
"In vitro analysis of multistage epidermal carcinogenesis: development of indefinite renewal capacity and reduced growth factor requirements in colony forming keratinocytes precedes malignant transformation" 1729

Growth-Dependent Synthesis
"Growth-dependent synthesis of C-MYC-encoded proteins early stimulation by serum factors in synchronized mouse 3T3 cells" 992
Grunion Embryos
"Oxygen consumption rates of grunion (Leuresthes tenuis) embryos exposed to the petroleum hydrocarbon, benzo[a]pyrene" 918
Guinea Pig Cell
"A transforming ras gene in tumorigenic guinea pig cell lines initiated by diverse chemical carcinogens" 1899
"Molecular characterization of oncogenes in guinea-pig lines chemically initiated in-vitro acquisition of tumorigenicity is associated with activated Ras related oncogenes" 1240
Guinea Pigs
"Prostaglandin endoperoxide synthetase and the activation of benzo(a)pyrene to reactive metabolites in vivo in guinea pigs" 1294
"Regional differences in adrenocortical benzo[a]pyrene metabolism in guinea pigs" 1249
"Metabolism of phenanthrene by the rat and the guinea pig" 956
Gut Microflora
"Germfree animal as a tool to study role of gut microflora and nutrition in cancer" 996
H-Coal Process
"Toxicological evaluation of materials from the H-coal pilot plant ORNL/TM-9197" 1643
Hair Follicle Keratinocyte
"Covalent binding of BP-metabolites to DNA of cultured human hair follicle keratinocytes" 921
Hairless Mouse
"The hairless mouse as a model for phototoxicity detection" 2004
Hamster Alimentary Tract
"Exposure of the hamster alimentary tract to benzo(a)pyrene metabolites produced in the nose" 884
Hamster Buccal Pouch
"Modifying influences of betel quid ingredients on B(a)P-induced carcinogenesis in the buccal pouch of hamster" 1762
Hamster Cell Culture
"On the nature of the mutations induced by the diolepoxide of benzo(a)pyrene in mammalian cells" 1455
Hamster Cells
"Induction of alkaline-labile sites in DNA by benzo [a]pyrene and the repair of those lesions in cultured Chinese hamster cells" 1685

Hamster Cells (cont)
"The relationship between the levels of DNA-hydrocarbon adducts and the formation of sister-chromatid exchanges in Chinese hamster ovary cells treated with derivatives of polycyclic aromatic hydrocarbons" 1705
"The effects of cell cycle position on the cytotoxicity and mutagenicity of benzo(a)pyrene in cultured Chinese hamster cells" 1684
Hamster Cheek Pouch
"Local lymph node morphology during hamster cheek pouch carcinogenesis" 1186
"Effects of chronic ethanol consumption on benzo(a)pyrene metabolism and glutathione S-transferase activities in Syrian golden hamster cheek pouch and liver" 981
Hamster Embryo
"Studies of tumor promoters with the Syrian hamster embryo cell transformation assay" 1824
"Benzo(e)pyrene-induced alterations in the metabolic activation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by hamster embryo cells" 1077
Hamster Embryo Cells
"Enhancement of chemical-carcinogen-induced cell transformation in hamster embryo cells by 1 alpha,25-dihydroxycholecalciferol, the biologically active metabolite of vitamin D3" 927
"Benzo(e)pyrene induced alterations in the binding of benzo(a)pyrene to DNA in hamster embryo cell cultures" .. 1877
"Benzo(e)pyrene-induced alterations in the binding of 7,12-dimethylbenz(a)anthracene to DNA in hamster embryo cell cultures" 1878
"Benzo(e)pyrene induced alterations in the stereoselectivity of activation of 7-12-dimethylbenz(a)anthracene to DNA-binding metabolites in hamster embryo cell cultures" 1879
"Chemical enhancement of SA-7 virus transformation of hamster embryo cells interlaboratory testing of diverse chemicals" 1353
"Increased sensitivity and enhanced tranformation by formaldehyde on hamster embryo cells pretreated with benzo(a)pyrene" 1352
Hamster Embryo Fibroblasts
"H.p.l.c. of benzo[a]pyrene glucuronide, sulfate and glutathione conjugates and water-soluble metabolites from hamster embryo fibroblasts" 1601
Hamster Epithelial Cell
"Mutagenesis of polycyclic aromatic hydrocarbons and N-heterocyclic aromatics in the Chinese hamster DPI-3 epithelial cell line" 1241

Hamster Epithelium
"Low-level X-radiation effects on functional vascular changes in Syrian hamster cheek pouch epithelium during hydrocarbon carcinogenesis" 1548
"The influence of inhibitors on the repair of benzo[a]pyrene-damaged DNA in hamster tracheal epithelial cells" 1410
Hamster Hepatocytes
"Comparison of rat and hamster hepatocyte DNA repair genotoxicity assays" 1478
"Comparison of genotoxic effects of environmental carcinogens in hepatocytes from mouse, rat, hamster, and human" 1394
Hamster Liver
"Effects of chronic ethanol consumption on benzo(a)pyrene metabolism and glutathione S-transferase activities in Syrian golden hamster cheek pouch and liver" 981
"A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems" 1923
Hamster Lung
"A model of bronchogenic carcinoma in the Golden Syrian hamster" 1076
Hamster Ovaries
"The relationship between the levels of DNA-hydrocarbon adducts and the formation of sister-chromatid exchanges in Chinese hamster ovary cells treated with derivatives of polycyclic aromatic hydrocarbons" 1705
"Analysis of the metabolites, DNA adducts and mutations produced by 1-nitropyrene in Chinese hamster ovary cells" 1360
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
"Transient DNA lesions induced by benzo[a]pyrene in Chinese hamster ovary cells" 1111
Hamster V-79 Cell
"DNA single-strand breaks by nitropyrenes and related compounds in Chinese hamster V-79 cells" 1809
Hamster V-79 Cells
"Mutagenicity of nitrofluoranthenes, 3-aminofluoranthene and 1-nitropyrene in Chinese hamster V79 cells" 1104
Hamsters
"Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route" 1736

Hamsters (cont)
"Control and cell differentiation and cell transformation in-vitro by phorbol-12-myristate-13-acetate and 1-Alpha 25 dihydroxyvitamin D-3" 1400
"Discrimination of structurally similar carcinogen noncarcinogen analogs by analysis of sister chromatid exchange in-vivo in bone marrow and intestinal epithelium of Chinese hamsters" 1655
"Influence of phagocytosis of benzo(a)pyrene (BaP) coated ferric oxide (Fesub 2Osub 3) on benzo(a)pyrene metabolism by pulmonary alveolar macrophages (PAM)" 1319
"Long-term inhalation study with benzo(a)pyrene and SO2 in Syrian golden hamsters" 1720
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767
"Modifying effect of vitamin A on benzo[a]pyrene-induced respiratory tract tumours in hamsters" 1095
"Modifying effect of dietary fat on benzo[a]pyrene-induced respiratory tract tumors in hamsters" 1096
"Pre treatment of rats and hamsters with di ethyl stilbestrol effects on metabolic enzyme activity and AMES test results" 1139
"Respiratory tract tumors in hamsters after severe focal injury to the trachea and intratracheal instillation of benzo[a]pyrene" 1783
"Species- and length of exposure-dependent differences in the benzo(a)pyrene:DNA adducts formed in embryo cell cultures from mice, rats, and hamsters" 1845
"Tansforming genes from benzo(a)pyrene transformed Syrian hamster cell lines" 1741
"The effect of the short dose schedule of 7-12-dimethylbenz(a) anthracene application in inducing lingual neoplasia in inbred Syrian hamsters" 1563
"The influence of antipain on the induction of mutations in CHO cells" 1135
"Tumor enhancement factors and mechanisms in the hamster respiratory tract carcinogenesis model" 1807
Hand
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
Hatching Success
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
Hazard Ranking
"Sensitivity of schemes for ecotoxicological hazard ranking of chemicals" 1462

Hazardous Materials
"Risk analysis of hazardous materials in oil shale" 2218
Hazardous Organic Material
"The design and demonstration of a fluidized bed incinerator for the destruction of hazardous organic materials in soils" 2193
Hazardous Waste Site
"Bonded-phase extraction column isolation of organic compounds in groundwater at a hazardous waste site" 769
"Microbial degradation of selected aromatics in a hazardous waste site" 383
Hazardous Wastes
"The fate of hazardous wastes in used oil recycling" 591
"The development of chemical countermeasures for hazardous waste contaminated soil" 2186
"Field tests of industrial boilers cofiring hazardous wastes" 2182
"Cofiring of hazardous wastes in industrial boilers" 2181
Health
"Environmental contamination due to different strategies of coal use in the Federal Republic of Germany and its effect on human health" 589
Health Effects
"Health and environmental effects of complex chemical mixtures: Proceedings" 2061
Health Effects Assessment
"Health effects assessment for pyrene. EPA/540/1-86/030" 2066
"Health effects assessment for phenanthrene. EPA/540/1-86/029" 2065
"Health effects assessment for polycyclic aromatic hydrocarbons (PAHS). EPA/540/1-86/013" 2067
Health Hazard Evaluation
"Health hazard evaluation report no. HETA 81-284-1292, Union Carbide Grafito, Yabucoa, Puerto Rico." 2058
Health Hazard(s)
"Biological effects summary report: Pyrene" 937
"Risk analysis of hazardous materials in oil shale" 2218
"Health and environmental effects of coal-liquefaction processes: Environmentally acceptable technology development" 2078
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
Health Problems
"Multidisciplinary approach to identify, characterize and minimize, potential health and environmental problems associated with chemically complex mixtures: A case study" 648

Health Risk Assessment
"Open burning of creosote treated rail ties: a case study in health risk assessment" 2047
Health Risks
"Chemical health risks in pressure treatment (of wood). A study of three CCA and 3 creosote treatment plants" ... 2041
Health Surveillance
"Results of health surveillance in bitumen-asphalt workers" 2141
Heavy Metals
"Interactions of heavy metals with the pulmonary metabolism of (3H)benzo(a)pyrene" 1989
Heavy Oil
"Determination of nitrogen polycyclic aromatic compounds by high performance liquid chromatography (HPLC) and its application to analysis of the combustion gas of heavy oil" 795
Heavy Pyrolysis Tar
"Determination of the composition of heavy pyrolysis tar by chromatography-mass spectrometry and gas-liquid chromatography" 116
Hematin
"Conversion of linoleic-acid hydroperoxide to hydroxy keto epoxyhydroxy and trihydroxy fatty-acids by hematin" 889
"Hematin-catalyzed epoxidation of 7-8-dihydroxy-7 8-dihydrobenzo(a)pyrene by polyunsaturated fatty-acid hydroperoxides" 888
Hematological Toxicity
"Hematological toxicity: experience with anthracyclines and anthracene" 1268
Hemoglobin(s)
"Adduct formation in hemoglobin of the newborn mouse exposed in utero to benzo[a]pyrene" 1004
"Alkylation of hemoglobin in mouse after exposure to benzo(a)pyrene" 1858
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of the skin and hemoglobin of red blood cells" 1859
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of skin and hemoglobin of red blood cells" 1861
"Quantifying adductive modification of hemoglobin from mice exposed to benzo(a)pyrene" 1857
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo(a)pyrene" 1856
"Quantitating exposure to chemical carcinogens: in vivo alkylation of hemoglobin by benzo[a]pyrene" 1003
Hepatectomized Rats
"Role of tin on heme and drug biotransformation mechanism of partially hepatectomized rats" 1248

Hepatic Detoxifying System
"Electron carriers of the pulmonary and hepatic detoxifying system in chemical carcinogenesis under conditions of modifying action of influenza virus" 843
Hepatic Metabolism
"Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action" 1199
"Comparison of the in vitro and in vivo hepatic metabolism of the carcinogen 1-nitropyrene" 919
Hepatic Microsome(s)
"Benzo(a)pyrene metabolism in hepatic microsomes from female DA rats with a genetic sparteine oxidation deficiency" 1832
"Benzo(a)pyrene metabolism in hepatic microsomes from feral and 3-methycholanthrene-treated southern flounder, Paralichthys lethostigma" 960
Hepatic Monooxygenases
"Topically applied nitropyrenes are potent inducers of cutaneous and hepatic monooxygenases" 844
Hepatic Neoplasms
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 967
Hepatic S-9
"Activation of polycyclic aromatic hydrocarbons by hepatic S-9 from a marine fish" 1609
Hepatic Tumorigenesis
"Relationship of histochemically detectable altered hepatocyte foci to hepatic tumorigenesis" 1731
"Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth" 1730
Hepatocarcinogenicity
"Hepatocarcinogenicity of benzo[a]pyrene to rainbow trout by dietary exposure and intraperitoneal injection" 1370
Hepatocarcinogenesis
"Sexual differences in the expression of gamma glutamyl transpeptidase during 5 9 dimethyldibenzo-C G-carbazole-induced hepatocarcinogenesis in mice" 1952
Hepatocyte
"Changes in the peroxidation activity of immunocyte and hepatocyte biomembrane lipids after administration of low-molecular-weight immunomodulators" 1291

Hepatocyte Foci
"Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth" 1730
"Relationship of histochemically detectable altered hepatocyte foci to hepatic tumorigenesis" 1731
Hepatopancreas
"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417
"Catalytic properties of cytochrome P 450 in hepatopancreas of the spiny lobster, Panulirus argus" ... 925
Hepatoxic Agents
"Behavior of blood gamma glutamyl transferase in workers exposed to hepatoxic agents" 2050
Herring Gulls
"Effects of ingestion of Hibernia and Prudhoe Bay crude oils on hepatic and renal mixed-function oxidase in nestling herring gulls (Larus-argentatus)" 954
Hexachlorobenzene
"Alterations in benzo(a)pyrene metabolism in skin and liver after hexachlorobenzene exposure" 1596
"Differential alteration of benzo(a)pyrene metabolism in skin and liver by hexachlorobenzene" 1598
Hexachlorocyclohexane
"Micronuclear induction in mammalian somatic cells in combined exposure to benzo(a)pyrene and hexachlorocyclohexane" 1711
Hi-Vol Cascade Impactor
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203
High Volume Air Samplers
"Theoretical plate measurements and collection efficiencies for high-volume air samplers using polyurethane foam" 22
High Volume Filters
"The loss of PAH from quartz fiber high volume filters" . 61
High Volume Filtration
"Sampling ambient air for mutagenicity testing by high-volume filtration on glass-fiber filters and on XAD-2" 4
High Volume Sampling
"A comparison between different high volume sampling systems for collecting ambient airborne particles for mutagenicity testing and for analysis of organic compounds" 5

High-Carbon Ceramics
"Status of respiratory organs of workers in the manufacture of high-carbon ceramics" 2076
Highway
"Deposition fluxes of lead, cadmium, copper and polynuclear aromatic hydrocarbons (PAH) on the verges of a major highway" 664
"Pollution transport from a highway" 725
"Stormwater runoff from highways" 677
Highway Runoff
"Effect of highway runoff on lake water quality" 646
"Acute toxicity and chemical characteristics of moderately polluted runoff from highways" 1306
Histogenesis
"Histogenesis of benzo(a)pyrene-induced lesions in tracheal explants" 877
Histologic Abnormalities
"Histologic and skeletal abnormalities in benzo(a)pyrene-treated rainbow trout alevins" 917
Histones
"Differences in the binding of the stereoisomeric benzo(a)pyrene-7 8-diol 9 10-epoxides to histones in rat liver nuclei" 1489
Histopathology
"Histopathology of Mercenaria mercenaria as an indicator of pollutant stress" 1024
Hog Aorta
"Presence of cytochrome P-450-dependent monooxygenase in intimal cells of the hog aorta" 838
Homarus americanus
"Polycyclic aromatic hydrocarbon accumulation and sensory evaluation of lobsters (Homarus americanus) exposed to diesel oil, Arnold's Cove, Newfoundland" 541
"Polycyclic aromatic hydrocarbons in American lobster (Homarus Americanus) and Blue mussels (Mytilus Edulis) collected in the area of Sydney Harbour, Nova Scotia" .. 490
"Accumulation of polycyclic aromatic hydrocarbons by lobsters (Homarus americanus) held in a tidal pond (microform)" 1026
Honeycomb Coal Briquettes
"Rapid determination of benzo(a)pyrene in smoke from honeycomb coal briquets" 831
Hormonal Regulation
"Hormonal regulation of benzo[a]pyrene metabolism in human adrenocortical cell cultures" 1386
Host Cell Repair Genes
"Mutational and recombinational events in carcinogen-modified plasmid DNA influence of host-cell repair genes" 1046

HPLC

"A new caffeine bonded phase for separation of polyaromatic hydrocarbons and petroleum asphaltenes by high-performance liquid chromatography" 58
"A simplified analysis of polynuclear aromatic hydrocarbons in soil and sediment by high performance liquid chromatography" 236
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. I: Effect of chromatographic conditions and procedure variables on accuracy andreproducibility of the" 309
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. II: Equilibrium in partition coefficient measurements," 308
"Adsorption isotherms of polycyclic aromatic hydrocarbons on asbestos chrysotile by high-pressure liquid chromatography" 129
"Analysis of polynuclear aromatic hydrocarbons in shellfish, sea bottom sediments and sea water by high performance liquid chromatography" 513
"Analysis of nitro-PAHs in diesel exhaust particulate extracts with multicolumn HPLC" 719
"Analysis of trace ammounts of benzo(a)pyrene and its metabolites in urine by high-performance liquid chromatography" 1571
"Analytical method for polynuclear aromatic hydrocarbons in airborne particulates by high performance liquid chromatography" 174
"Application of chiral high-performance liquid chromatography to the separation of structurally similar nitro-polycyclic aromatic hydrocarbons" 38
"Application of HPLC to the isolation of molecular targets in dosimetry studies" 1079
"Combined preparative and analytical use of normal-phase and reversed-phase high-performance liquid chromatography for the determination of aliphatic and polycyclic aromatic hydrocarbons in sediments of the Adriatic Sea" 397
"Comparison of a capillary gas chromatographic and a high-performance liquid chromatographic method of analysis for polycyclic aromatic hydrocarbons in food" . 45
"Detection of polynuclear aromatic hydrocarbons in shellfishes, seabottom sediments and sea water by high performance liquid chromatography" 514
"Determination of nitrogen polycyclic aromatic compounds by high performance liquid chromatography (HPLC) and its application to analysis of the combustion gas of heavy oil" 795

HPLC (cont)
"Determination of vaporous POM in flue gas by high-performance liquid chromatography" 739
"Determination of series of aromatic isomers by high resolution spectrofluorometry and capillary gas chromatography in HPLC fractions of crude petroleums and sedimentary rock extracts" 638
"Determination of polynuclear nitro-aromatic hydrocarbons in airborne particulates with high-performance liquid chromatography" 351
"Determination of polynuclear aromatic hydrocarbons in falling dust by high-pressure liquid chromatography (HPLC)" 315
"Determination of polyaromatic hydrocarbons in scallops (Pecten maximus) by UV fluorescence and HPLC combined with UV and fluorescence detectors" 299
"Determination of ultratrace polycyclic aromatic hydrocarbons in the water of Lake Mashu with HPLC (high performance liquid chromatography)/time-resolved fluorometry" 301
"Determination of nitrogen compounds in hydrotreated shale oils by preparative high-performance liquid chromatography and gas chromatography-mass spectrometry" 35
"Determination of organic water pollutants by the combined use of high-performance liquid chromatography and high-resolution gas chromatography" 63
"Determination of components in tar oils by combined HPLC-UVD/RF technique" 228
"Direct enantiomeric resolution of cyclic alcohol derivatives of polycyclic aromatic hydrocarbons by chiral stationary phase high- performance liquid chromatography" 222
"Direct resolution of mono- and diol enantiomers of unsubstituted and methyl-substituted benz(a)anthracene and benzo(a)pyrene by high-performance liquid chromatography with a chiral stationary phase" 223
"Dual-label high-performance liquid chromatographic assay for femtomole levels of benzo[a]pyrene metabolites" 135
"H.p.l.c. of benzo[a]pyrene glucuronide, sulfate and glutathione conjugates and water-soluble metabolites from hamster embryo fibroblasts" 1601
"High performance liquid chromatographic separation and gas chromatography-mass spectrometric analysis of polar components in coal- derived distillate oil" 167
"High-performance liquid chromatographic studies of environmental carcinogens in China" 549
"High-performance liquid chromatography in environmental analysis" 373

HPLC (cont)
"High-performance liquid chromatography on pentafluorobenzamidopropyl silica gel" 56
"High-performance liquid chromatography-time resolved fluorescence spectrometry for determination of polycyclic aromatic hydrocarbons in water" 60
"High-speed micro-HPLC for analysis of polycyclic aromatic hydrocarbons in environmental samples" 352
"Identification of organic compounds obtained from incineration of municipal waste by high-performance liquid chromatographic fractionation and gas chromatography-mass spectrometry" 804
"Microcomputer-assisted retention prediction system in reversed-phase HPLC" 95
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high-pressure liquid chromatography fractions from wood smoke particle extracts" 1436
"Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified Salmonella assay requiring smaller sample volumes" 1055
"Prediction of retention indices of the polynuclear aromatic hydrocarbons. Part 1. HPLC on nitrogen containing normal phase packing materials. ERDA/400105" 101
"Preseparation of polar, substituted, polycyclic aromatic hydrocarbons in aerosol extracts by high-performance liquid chromatography on acidic- or basic-buffered silica" 186
"Quantitation of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter by high-performance liquid chromatography fractionation and high-resolution gas chromatography" 803
"Quantitative determination of polycyclic aromatic hydrocarbons isomers in unresolved HPLC peaks by using variable wavelength UV detector" 91
"Resolution of epoxide enantiomers of polycyclic aromatic hydrocarbons by chiral stationary-phase high-performance liquid chromatography" 212
"Selective determination of substituted PAH in aerosols using liquid carbon dioxide-extraction, HPLC prefractionation on chemically activated silica, and HRGC combined with negative ion mass spectrometry" 185
"Separation and identification (HPLC) of some benzo(a)pyrene hydroxylated derivatives" 182
"Separation of methyl-substituted benz(c)acridines by gas-liquid chromatography and high-performance liquid chromatography" 100
"Separation of asphaltenes in HPLC by caffeine derivatives bonded on silica" 55

HPLC (cont)
"Separation of glucuronide, sulfate, and glutathione conjugates of benzo(a)pyrene by HPLC. ERDA/560300" 130
"Structural origin of HPLC parameters of polycyclic aromatic hydrocarbons" 2
"The correlation between molecular polarizability of PAHs and their retention data on various stationary phases in reversed-phase HPLC" 94
"The detection of polycyclic aromatic hydrocarbons by high-pressure liquid chromatography" 103
"Three-dimensional high-performance liquid chromatography based on time-resolved laser fluorimetry" 83
Human
"Identification and quantification of a messenger ribonucleic acid induced by polynuclear aromatic hydrocarbons--using a cloned human cytochrome P-450 gene" 935
Human Adipose Tissue
"Evaluation of the sweep co-distillation cleanup technique for the determination of environmental contaminants in human adipose tissue" 131
Human Adrenal Gland
"Metabolism of xenobiotics in the human adrenal gland" .. 1706
Human Adrenocortical Cell
"Hormonal regulation of benzo[a]pyrene metabolism in human adrenocortical cell cultures" 1386
Human Bladder Explants
"Interindividual variation in the DNA binding of chemical genotoxins following metabolism by human bladder and bronchus explants" 1196
Human Blood Cells
"Use of human blood cells in vitro for testing of chemicals for genotoxicity" 1794
Human Bronchial Epithelium
"Unscheduled DNA synthesis in human bronchial epithelium treated with various chemical carcinogens in vitro" 1411
Human Bronchial Tissues
"Ellagic acid inhibits the binding of benzo(a)pyrene metabolites to DNA in cultured human bronchial tissues" . 1922
Human Bronchial Tree
"Metabolic activation and deactivation of mutagens by preparations of human lung parenchyma and bronchial tree" 1210
Human Bronchus
"Inhibition of binding of benzo(a)pyrene to DNA by 7,8-benzoflavone in organ cultures of human bronchus" ... 1569
Human Bronchus Explants
"Interindividual variation in the DNA binding of chemical genotoxins following metabolism by human bladder and bronchus explants" 1196

Human Buccal Mucosa
"Metabolism of benzo[a]pyrene by cultured rat and human buccal mucosa cells" 1074
Human Cancer
"Cocarcinogens of the tumour-promoter type as potential risk factors of cancer in man. A first complete experimental analysis of an etiological model situation and some of its consequences" 1359
"Individual variation in benzo(a)pyrene metabolism and its role in human cancer" 2083
Human Cell Culture
"Comparison of genotoxic effects of environmental carcinogens in hepatocytes from mouse, rat, hamster, and human" 1394
"Environmental carcinogens in human target tissues in cultures. Progress report" 1393
"Relationship between genotoxicity and DNA adducts" 1395
"The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation" 1399
"A human cell line sensitive to mutation by particle-borne chemicals" 1188
"Comparison of aryl hydrocarbon hydroxylase and acetanilide 4-hydroxylase induction by polycyclic aromatic compounds in human and mouse cell lines" 1416
Human Cells
"Analogous patterns of benzo[a]pyrene metabolism in human and rodent cells" 1848
Human Colonic Mucosa
"Metabolic activation of polycyclic aromatic hydrocarbons by human colonic mucosa and bacteroides-fragilis" 1918
Human Diploid Fibroblasts
"Neoplastic transformation of human diploid fibroblasts KMST-6 by treatment with cobalt-60 gamma-rays" 1652
Human Embryo
"Elimination and repair of lesions induced by benzo(a)pyrene in the DNA of human embryo pulmonary fibroblasts (ICP-23 cell line)" 1957
Human Epithelial Cells
"Evaluation of human epithelial-derived cell lines as potential targets in genetic toxicology assays" 1191
Human Fetal Tissues
"Isolation of nuclear fractions from human fetal tissues ultrastucture and presence of epoxide hydrolase and aryl hydrocarbon hydroxylase" 1704
Human Fibroblasts
"Cytotoxic and mutagenic effects of specific carcinogen-DNA adducts in diploid human fibroblasts" 1581

Human Fibroblasts (cont)
"Induction of cell damage by menadione and benzo(a)pyrene-3 6-quinones in cultures of adult rat hepatocytes and human fibroblasts" 1631
"Formation and removal of benzo[a]pyrene metabolites--DNA adducts in cultured normal human fibroblasts using a microsome-activating system" 1438
"Cytotoxic and mutagenic effects of 1-nitropyrene and 1-nitrosopyrene in diploid human fibroblasts" 1718
"Nick translation - a new assay for monitoring DNA damage and repair in cultured human fibroblasts" 1880
"DNA repair and replication in human fibroblasts treated with racemic R-7 T-8 dihydroxy-T-9 10-epoxy-7 8 9 10-tetrahydrobenzo(a)pyrene" 1444
Human Foreskin Fibroblasts
"Preferential binding of benzo(a)pyrene diol epoxide to the linker DNA of human foreskin fibroblasts in S phase in the presence of benzamide" 1486
Human Hair Bulbs
"Foreign-substance (xenobiotica) metabolism in the skin and human hair bulbs" 1597
Human Hair Follicles
"Inducibility of human hair follicle carcinogen metabolism by a coal tar containing-shampoo" 1641
"Metabolism of foreign substances in human skin and hair follicles" 1595
Human Health Effects
"Health effects of diesel exhaust. A contemporary air pollution issue" 2116
"The reactions of chlorine dioxide with aquatic organic materials and their health effects" 2130
"Health and environmental effects document on direct coal liquefaction, 1983. ORNL/TM-9287" 2064
"Detection of antibodies to benzo(a)pyrene diol epoxide DNA adducts following occupational exposure to benzo(a)pyrene" 2121
Human Hepatocytes
"Metabolism of benzo[a]pyrene by cultured human hepatocytes from multiple donors" 1625
Human Hepatoma Cell Line
"Metabolism, DNA repair and mutagenicity of 1-nitropyrene in the human hepatoma cell line HepG2" 1250
Human Leukocytes
"Hereditary interindividual differences in the glutathione transferase activity towards trans stilbene oxide in resting human mononuclear leukocytes are due to a particular isozyme" 1000

Human Lung Epithelium
"Metabolism and specific benzopyrene metabolite modification of DNA in early S by human lung epithelial and fibroblast cells leading to the expression of an abnormal phenotype" 1610
Human Lung Parenchyma
"Metabolic activation and deactivation of mutagens by preparations of human lung parenchyma and bronchial tree" 1210
Human Lung Fibroblast
"Metabolism and specific benzopyrene metabolite modification of DNA in early S by human lung epithelial and fibroblast cells leading to the expression of an abnormal phenotype" 1610
Human Lung Tumor Cells
"Mechanism of benzo(a)pyrene induction of alpha-human chorionic gonadotropin gene expression in human lung tumor cells" 1997
Human Lungs
"Differential activities of rat and human lung glutathione S-transferase isoenzymes towards benzo(a)pyrene epoxides" 846
"Benzo(a)pyrene content of the human lung in relation to various environmental factors" 2052
"Benzo(a)pyrene in human lungs in relation to certain environmental factors" 2112
Human Lymphoblastoid Cell
"Xenobiotic metabolism and mutation in a human lymphoblastoid cell line" 1187
Human Lymphocytes
"Inhibition of human lymphocyte function in vitro by polycyclic aromatic hydrocarbons" 1745
"Effects of various S-9 mix induced by chemicals on SCE frequencies of human lymphocytes in vitro" 1150
"Frequency of sister chromatid exchanges in human lymphocytes cultivated with a human hepatoma cell line as an indicatior of the carcinogenic potency of 2 cyclopenta(a)phenanthrenes" 1530
"Serum- and plasma-dependent variations of benzo(a)pyrene-induced sister chromatid exchange in human lymphocytes" 1985
"Effects of benzo(a)pyrene metabolites from rat liver S9 fraction on sister chromatid exchange frequency of human lymphocytes" 2005
Human Mammary Carcinoma
"Prophylaxis of 7-12-dimethylbenz(a)anthracene induced mammary carcinoma by a single dose of 7-Alpha ethynylestriol" 1514

Human Mammary Epithelium
"Induction of transformation and continuous cell lines from normal human mammary epithelial cells after exposure to benzo[a]pyrene" 1885
"Long-term growth of normal human mammary epithelial cells and establishement of partially transformed cell lines" 1886
Human Microsome
"Benzo(a)pyrene and 6-nitrobenzo(a)pyrene metabolism in human and rodent microsomes and tissue culture" 1850
Human Oral Keratinocytes
"Induction of unscheduled DNA synthesis in cultured human oral keratinocytes by sodium fluoride" 1941
Human Skin
"Interindividual differences in benzo(a)pyrene activation by lymphocytes, monocytes, and human skin as an indication of potential risk" 1827
"Metabolism of foreign substances in human skin and hair follicles" 1595
"Aryl hydrocarbon hydroxylase, epoxide hydrolase, and benzo(a)pyrene metabolism in human epidermis: comparative studies in normal subjects and patients with psoriasis" 2048
"Metabolic activation of chrysene comparative studies with rodent and human skin" 1977
"Action spectrum for anthracene-induced photosensitization of human skin" 2100
"Comparative studies of the metabolic activation of chrysene in rodent and human skin" 1978
Human Skin Fibroblasts
"Modulatory effect of glucose-6-phosphate dehydrogenase deficiency on benzo(a)pyrene toxicity and transforming activity for in vitro-cultured human skin fibroblasts" . 1270
"Evidence that 1 nitropyrene is mutagenic in diploid human skin fibroblasts" 1717
Human Tissues
"Carcinogen metabolism and carcinogen-DNA adducts in human tissues and cells" 1341
Human Urine
"1-hydroxypyrene in human urine after exposure to coal tar and a coal tar derived product" 2098
Human White Blood Cells
"Detection of benzo(a)pyrene:DNA adducts in human white blood cells" 172
Humans
"Evaluation of the carcinogenic action of chemical substances in humans" 1453
Humic Material
"Interactions between polycyclic aromatic hydrocarbons and dissolved humic material: binding and dissociation" . 407

Humic Material (cont)
"Effect of dissolved humic material on accumulation of polycyclic aromatic hydrocarbons structure-activity relationships" 408
"Effect of dissolved humic material on accumulation of polycyclic aromatic hydrocarbons: structure-activity relationships" 409
Humus
"Accumulation of airborne pollutants (PAH, chlorinated hydrocarbons, heavy metals) in various plant species and humus" 510
Hydrocarbon Flames
"Formation of large molecules, particulates and ions in premixed hydrocarbon flames; progress and unresolved questions" 679
Hydrocarbon Fuel
"Toxic characteristics of gas turbine engines with hydrogen atomization of hydrocarbon fuel" 1439
Hydrocyclones
"Treatment of contaminated dredged sediments by hydrocyclones" 2201
Hydrolysis
"Structural effects in reactivity and adduct formation of polycyclic aromatic epoxide and diol epoxide derivatives with DNA: comparison between 1-oxiranylpyrene and benzo[a]pyrenediol epoxide" 940
Hydroperoxide
"Conversion of linoleic-acid hydroperoxide to hydroxy keto epoxyhydroxy and trihydroxy fatty-acids by hematin" 889
Hydrophobicity
"Estimation of hydrophobicity based on the solvent-accessible surface area of molecules" 84
Hydrostatic Testing
"Discharge water from hydrostatic testing of natural gas pipelines as source of PAH loading into aquatic environments" 624
Hydroxylase
"Interaction of certain metal ions with aryl hydrocarbon hydroxylase of rat lung microsomes" 1071
"Modulation of rat hepatic aryl hydrocarbon hydroxylase by various flavones and polycyclic aromatic hydrocarbons" 899
"The enzyme aryl hydrocarbon hydroxylase and its relation to cancer" 1207
Hydroxylase Activity
"The effect of intraovarian injection of benzo(a)pyrene on primordial oocyte number and ovarian aryl hydrocarbon [benzo(a)pyrene] hydroxylase activity" 1002
"Cell cycle-dependent aryl hydrocarbon hydroxylase activity of epidermal cells in-vitro" 1021

Hydroxylase Activity (cont)
"Measurement of viability and aryl hydrocarbon hydroxylase activity in cryopreserved baboon peripheral blood lymphocytes and pulmonary alveolar macrophages" .. 972
"Hepatic aryl hydrocarbon hydroxylase activities in coho salmon (Oncorhynchus kisutch) exposed to petroleum hydrocarbons" 880
Hydroxylase Induction
"In vivo induction of aryl hydrocarbon hydroxylase in human scalp hair follicles by topical application of a commercial coal tar preparation" 1402
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo[a]pyrene, 2- aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Effect of coal tar on cutaneous aryl hydrocarbon hydroxylase induction and anthralin irritancy" 1505
"Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17" 955
"Aryl hydrocarbon hydroxylase induction in rat pulmonary alveolar macrophages (PAMs) by diesel particulates and their extracts" 874
Hydroxylated Derivatives
"Separation and identification (HPLC) of some benzo(a)pyrene hydroxylated derivatives" 182
Hydroxylation
"Fungal hydroxylation of ethylbenzene and derivatives" .. 338
Hydroxylation
"Possible involvement of free radical lipid intermediate in hydroxylation of polycyclic hydrocarbons" 1234
Hyperlipidic Diet
"Polychlorinated biphenyl phenoclor DP-6 and metabolism of xenobiotics effects of a hyperlipidic diet" 1721
Hyperplastic Nodules
"Differential regulation of 2 microsomal epoxide hydrolases in hyperplastic nodules from rat liver" 853
Hypnum cupressiforme
"Statistical models for the accumulation of PAH, chlorinated hydrocarbons and trace metals in epiphytic Hypnum cupressiforme" 509
"Concentrations of micropollutants (PAH, chlorinated hydrocarbons and trace metals) in the moss Hypnum cupressiforme in and around a small industrial town in Southern Finland" 332
Hypoxic Cells
"Radiosensitization of hypoxic cells in-vitro and in-vivo benzoquinones naphthaquinones and anthraquinones" 1049

Iball Index
"Computer automated evaluation and prediction of the Iball index of carcinogenicity of polycyclic aromatic hydrocarbons" 1468
Ictalurus nebulosus
"Carcinogenic effects of river sediment extracts in fish and mice" 1109
"Epidermal hepatocellular and cholangiocellular carcinomas in brown bullheads Ictalurus-nebulosus from industrially polluted Black River Ohio USA" 1344
Immission Measurement
"Immission measurements in forested areas of the Eggegebirge and the Eifel" 756
"Immission and emission measurement of carcinogenic substances" 594
Immune Cell
"Immune cell changes after benzopyrene insult in utero (mice, rabbits)" 1948
Immune Functions
"Alterations in cell-mediated immune functions induced in mouse splenic lymphocytes by polycyclic aromatic hydrocarbons" 1993
Immune Response
"Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene" 1949
Immune System
"Effects of a low-level long-term loading with environmental pollutants on the immune system and methemoglobinemia" 2092
Immunization
"Effect of immunization with tularemia vaccine on 3,4-benz(a)pyrene induced blastomogenesis and mutagenesis in rats" 1658
"The effect of immunization with tularemia vaccine on carcinogenesis and mutagenesis induced by 3,4-benz(a)pyrene in rats" 1659
Immunoassays
"Antibodies to benzo(a)pyrene and their use in immunoassays ERDA/550200" 1644
Immunochemical Examination
"Immunochemical examinations of cytochrome P-450 in various tissues of human fetuses using antibodies to human fetal cytochrome P- 450 P-450 HFLA" 2103
Immunocyte
"Changes in the peroxidation activity of immunocyte and hepatocyte biomembrane lipids after administration of low-molecular-weight immunomodulators" 1291

Immunocytotoxicity
"Immunocytotoxicity effects of polycyclic aromatic hydrocarbons on mouse lymphocytes" 1994
Immunosuppression
"Benzo[a]pyrene uptake by lymph: a possible transport mode for immunosuppressive chemicals." 1145
"Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene" 1983
"Immunosuppression by polycyclic aromatic hydrocarbons: a structure-activity relationship in B6C3F1 and DBA/2 mice" 1984
"Immunotoxicity of nonhalogenated polycyclic aromatic hydrocarbons" 1965
Immunotoxicity
"Immunotoxicity of nonhalogenated polycyclic aromatic hydrocarbons" 1965
Immunotoxicology
"Alterations in cell-mediated immune functions induced in mouse splenic lymphocytes by polycyclic aromatic hydrocarbons" 1993
"Early changes in T cells of progeny and mothers insulted with benzo(a)pyrene during midgestation" 1950
"Effects of a low-level long-term loading with environmental pollutants on the immune system and methemoglobinemia" 2092
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
"Immune cell changes after benzopyrene insult in utero (mice, rabbits)" 1948
"Immunocytotoxicity effects of polycyclic aromatic hydrocarbons on mouse lymphocytes" 1994
"Immunotoxicity of nonhalogenated polycyclic aromatic hydrocarbons" 1965
"Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene" 1949
Inactivation
"Regiospecific and diastereoselective inactivation of mutagenic 9 10 dihydrobenzo(a)pyrene 7 8-oxide by hepatic cytosolic glutathione-s- transferase" 1971
Incineration
"Air pollution implications of increasing residential firewood use" 720
"Analysis for polycyclic aromatic compounds in the fly ash of an incineration plant for radioactive waste" 797
"Daily variations in composition of extractable organic compounds in fly-ash from municipal waste incineration" . 600

Incineration (cont)
"Design and operation of a real-time polynuclear aromatic hydrocarbon (PAH) monitor for the analysis of combustion products formed in the incineration of Navy colored smoke compositions" 722
"Identification of organic compounds obtained from incineration of municipal waste by high-performance liquid chromatographic fractionation and gas chromatography-mass spectrometry" 804
"Real-time fluorescence analysis of the controlled incineration of army colored smoke compositions" 723
Incinerator Wastewaters
"Gas chromatographic-mass spectrometric computer analysis of incinerator wastewaters" 780
Indeno(1,2,3-cd)pyrene
"A new approach to the identification of sources of airborne mutagens and carcinogens: receptor source apportionment modeling" 610
"Indeno(1,2,3-cd)pyrene" 2040
Indicator
"Algae as indicators of seawater pollution by polycyclic arenes" 530
"Indicators of hazard for polycyclic organic matter NEPA-600/D-84-068" 2118
Indomethacin
"Modulation of rat mammary carcinogenesis by indomethacin" 1578
Indoor
"Sources of indoor particulates in an area where residential wood combustion is prevalent" 688
Indoor Air
"Mutagenicity and nitropyrene content in indoor air heated with a kerosene heater" 752
"The effects of residential wood combustion on indoor and outdoor air quality: a case study in Waterbury, Vermont" 775
"Indoor air pollution to emissions from wood burning stoves" 807
"Tennessee Valley Authority/Bonneville Power Administration indoor air quality study. Volume 1" 507
"Contribution of wood combustion to indoor air pollution as measured by mutagenicity in Salmonella and polycyclic aromatic hydrocarbon concentration" 563
"Indoor air quality in Bombay, India with respect to respirable particulates, benzo(a)pyrene & sulfates" 278
"New approach for screening polynuclear aromatic pollutants in indoor air. ERDA/500200" 207

Indoor Air (cont)
"Analytical and sampling methodology for characterization of polynuclear aromatic compounds in indoor air" 215
"Characterization of particle composition, organic vapor constituents, and mutagenicity of indoor air pollutant emissions" 2144
Indoor Air Quality
"Tennessee Valley Authority/Bonneville Power Administration Indoor Air Quality Study. Volume I. NTVA/OP/CEM-84/48-Vol. 1" 799
Indoor Environment
"Control of pollutants from woodburning stoves in the indoor environment" 687
Indoor Pollutants
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802
Indoor Pollution
"Sources and strengths of indoor pollution. Controlled chamber studies" 743
Induction
"A 60-kilodalton oncofetal protein induction in rats by chemical carcinogens" 1336
"Aryl hydrocarbons as inducers of cytochrome P-450 in Acinetobacter calcoaceticus" 845
"Chemical induction of ovarian epithelial carcinoma in mice" 1414
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
"Comparison of aryl hydrocarbon hydroxylase and acetanilide 4-hydroxylase induction by polycyclic aromatic compounds in human and mouse cell lines" 1416
"Correlation between mixed function oxidase enzyme induction and genotoxicity in-vivo" 1334
"Correlation of epizootiological observations with experimental data chemical induction of chromatophoromas in the Croaker Nibea-Mitsukurii" 1454
"Differential induction of various carboxylesterases by certain polycyclic aromatic hydrocarbons in the rat" 1680
"Differential induction of sister-chromatid exchanges by benzo[a]pyrene in variant mouse hepatoma cells." 1829
"Effect of induction by DDT on metabolism and mutagenicity of benzo[a]pyrene" 1121
"Effect of aromatic carcinogens and noncarcinogenic analogs on the induction of murine.alpha./.beta.-interferon" 1881

Induction (cont)
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205
"Effects of arachidonic acid and indomethacin on sister-chromatid exchange induction by polycyclic aromatic hydrocarbons in mammalian cell lines" 1047
"Effects of organoselenium compounds on induction of mouse forestomach tumors by benzo(a)pyrene" 1254
"Genetics of susceptibility of mice to inhibition of interferon induction by benzo-(a)-pyrene" 1309
"Induction of rabbit hepatic microsomal cytochrome P-450 by imidazole: enhanced metabolic activity and altered substrate specificity" 1445
"Induction of epoxide hydrolase in cultured rat hepatocytes and hepatoma cell lines" 1770
"Induction of SOS functions is not required for rec-a-positive dependent mutagenicity of 9 amino acridine in Salmonella- typhimurium strain TRPE-8" 1744
"Induction of transformation and continuous cell lines from normal human mammary epithelial cells after exposure to benzo[a]pyrene" 1885
"Induction of sarcomas in rats by subcutaneous injection of dinitropyrenes" 1693
"Induction of microsomal cytochromes in the rat liver after intravenous administration of emulsions of perfluoro-organic compounds" 1683
"Induction of cell damage by menadione and benzo(a)pyrene-3 6-quinones in cultures of adult rat hepatocytes and human fibroblasts" 1631
"Induction of papillomas with a high probability of conversion to malignancy" 1371
"Induction of alkaline-labile sites in DNA by benzo [a]pyrene and the repair of those lesions in cultured Chinese hamster cells" 1685
"Induction of cytodifferentiation in C3H/10T1/2 mouse embryo cells by X-irradiation and benzo(a)pyrene" 1328
"Induction of unscheduled DNA synthesis in primary cultures of rat pancreatic cells following in vivo and in vitro treatment with genotoxic agents" 1889
"Induction of malignant transformation by various chemicals in Balb/3T3 clone A31-1-1 cells and biological characterization of some transformants" 1284
"Induction of MFO in mullet liver microsomes: Effect of NADPH on benzo(a)pyrene metabolite distribution at 25 and 37 degree C" 999
"Induction of histo compatibitity gene mutations in germ cells of mice by chemical mutagens and-or virus inducing compounds" 1339

Induction (cont)
"Induction of malignant transformation by various chemicals in Balb/3T3 clone A31-1-1 cells and biological characterization of some transformants" 1284
"Induction of chromosomal aberrations in the mussel Mytilus galloprovincialis watch" 1053
"Induction of immunotoxicity by polycyclic hydrocarbons: role of the Ah locus" 1547
"Induction of 6-thioguanine resistance, chromosome aberrations and SCE by dinitropyrenes in Chinese hamster ovary cells in vitro" 1251
"Induction of sister chromatid exchange by benzo(a)pyrene in primary lung culture" 1401
"Induction of unscheduled DNA synthesis in cultured human oral keratinocytes by sodium fluoride" 1941
"Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of.alpha.-human chorionic gonadotropin-specific mRNA sequences and benzo(a)pyrene-induced hypomethylation" ... 1998
"Mechanism of benzo(a)pyrene induction of alpha-human chorionic gonadotropin gene expression in human lung tumor cells" 1997
"Micronuclear induction in mammalian somatic cells in combined exposure to benzo(a)pyrene and hexachlorocyclohexane" 1711
"Mixed-function oxygenases as biological monitors around petroleum hydrocarbon development sites: potential for induction by diesel and other drilling mud base oils containing reduced levels of polycyclic aromatic hydrocarbons" 991
"Multistep malignant transformation of mammalian cells by carcinogens induction of immortality as a key event" . 1670
"Position-specific induction of benzo(a)pyrene metabolism by 3-methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish" 1837
"Relation between formation of adducts to DNA, induction of DNA repair and release of DNA from cells in benzo(a)-pyrene treated human mitogen-stimulated lymphocytes. Effect of duration of culture on the conditions for assessment of unscheduled DNA syntheses" 1909
"Reversibility of inhibition of interferon-alpha/beta induction by benzo[a]pyrene" 1310
"Role of benzo(a)pyrene and metabolites in the induction of alpha CG gene expression in ChaGo cells" 1996
"Stage-specific induction of sister-chromatid exchanges in utero" 1870
"Studies on activation of benzo[a]pyrene for inhibition of interferon induction" 1217
"Studies on the induction of aryl hydrocarbon(benzo[a]pyrene) hydroxylase in Neurospora crassa, and its suppression by sodium selenite" 1440

Induction (cont)
"Tests for induction of presumed dominant-lethal effects in female mice" 1304
"The Ah Locus: receptor-mediated induction of several drug-metabolizing enzymes by polycyclic hydrocarbons" ... 1656
"The induction and inhibition of benzo(a)pyrene metabolism in human epidermal keratinocytes and dermal fibroblasts" 882
"The effect of live tularemia vaccine on the induction of tumors" 2029
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858
"Xenobiotic and endobiotic induction of mixed function monooxygenases in carp Cyprinus-carpio" 1005
Inductive Factors
"Effects of environmental and experimental inductive factors on the mixed-function oxidase activities of toads" 875
Industrial Boilers
"Cofiring of hazardous wastes in industrial boilers" 2181
"Field tests of industrial boilers cofiring hazardous wastes" 2182
Industrial Emissions
"PAH emissions from coal-fired plants" 820
"Flue gas emission from peat fuelled plants - A literature review" 751
"Emissions of organic pollutants from coal-fired utility boiler plants" 658
"Polycyclic aromatic hydrocarbon emissions from wood-pyrolysis" 660
"Source discharges and ambient air pollution at the coal gasifier at Kosovo" 585
"Source discharges and ambient air pollution at the coal gasifier at Kosovo" 586
"EPA/AEERL source testing program for coal gasification technologies (Kosovo test site)" 587
"Industrial emissions from a tar-processing plant" 612
"Analysis of polycyclic aromatic hydrocarbons in air particulate matter from a lightly industrialized urban area" 609
"Air pollution from aluminum smelting plants. I. The emission of polycyclic aromatic hydrocarbons and of mutagens from an aluminum smelting plant using the Soderberg process" 564
"Role of trace contaminants in toxic emissions from thermal electric power plants" 567
"Hydrocarbon emissions from Soderberg pots" 570
"Emissions of metals and hydrocarbons and their measurement" 815

Industrial Emissions (cont)
"Concentrations of micropollutants (PAH, chlorinated hydrocarbons and trace metals) in the moss Hypnum cupressiforme in and around a small industrial town in Southern Finland" 332
"PAH-their contribution to the carcinogenicity of various emissions" 1321
"Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air" 1614
"Chemical and biological characterization of emissions from a fireperson training facility" 2043
Industrial Equipment
"Polyaromatic hydrocarbon sampling system for industrial equipment. Evaluation and preliminary results" 21
Industrial Hazards
"Harmful industrial substances - Toxicological and medical basis for the establishment of maximum permissible concentrations 10th supplement" 2220
"Problem of the working environment in the Usti nad Labem pressure gas plant" 2054
"Mutagenic/carcinogenic hazards in a cold-rolling steel plant exposed to mineral oils: environmental monitoring phase" 2119
"Forklift trucks. Chemical pollution, noise, vibration" . 2057
"Determination of organic pollutants in the air and in the used sands of iron foundries" 2089
"PAH in small (industrial) plants. Measurement of polycyclic aromatic hydrocarbons in the work environment" 2033
Industrial Health Effects
"Bladder cancer in the aluminum industry" 2155
"Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant" .. 2045
"Effect of complexes of carcinogenic chemical compounds on the microsomal oxidation system of workers in graphite manufacture" 2106
"Carbon black lung as an occupational disease" 2046
"Cancer risk from polycyclic hydrocarbons at the workplace: Critical evaluation of recent publication" ... 2031
Industrial Hygiene
"University of Minnesota-Duluth low-Btu gasifier workplace environment" 2165
"Industrial hygiene monitoring of gaseous, liquid and particulate matter releases at the Catlettsburg, Kentucky H-coal facility: Results and evaluation" 2171
"Industrial-hygienic evaluation of the effectiveness of sanitation measures adopted in the anodic material shop of the aluminum plant" 2149
"Occupational exposure to mould lubricants" 2117
"Health hazard evaluation report no. HETA 81-284-1292, Union Carbide Grafito, Yabucoa, Puerto Rico." 2058

Industrial Hygiene (cont)
"Health effects assessment for phenanthrene. EPA/540/1-86/029" 2065
"Polycyclic aromatic hydrocarbons on the inner surfaces of copper tubing. NNWC-TP-6532" 2068
"Contribution to the interpretation of coal tar pitch measurements at the workplace" 2077
"Chemical and toxicological aspects of coal liquefaction and other complex mixtures" 2080
"Industrial hygiene sampling at Rio Blanco oil shale facility. 2. Sampling during burn of retort one" 2086
"Preparation of pitch and tar-based carbon pastes" 2035
"Industrial hygiene and medical studies in cold-box and shell molding processes" 2142
"Testing for mutagens in filter samples from the work atmosphere of an aluminum plant" 2105
"Hygiene of work in main shops of modern coking by-product industry" 2101
Industrial Medicine
"Mortality among workers exposed to coal tar pitch volatiles and welding emissions: an exercise in epidemiologic triage" 2148
Industrial Region
"Chemical and mutagenic analysis of extracts of airborne particulates at industrial region" 1177
Industrial Safety
"Genetic monitoring of aluminum workers exposed to coal tar pitch volatiles" 2090
"Health and environmental protection in hot-smoking of small cooked sausages" 2120
Industrial Substances
"Harmful industrial substances - Toxicological and medical basis for the establishment of maximum permissible concentrations 10th supplement" 2221
"Technical rules for application of the Ordinance on dangerous industrial substances" 2213
Industrial Wastes
"Detection and identification of organic substance by GC/MS spectrometry. IV. Leachate from final disposal site for industrial waste" 668
"Leaching of PAH from industrial wastes with municipal waste leachate" 729
Infiltration
"Organic contaminant behavior during rapid infiltration of secondary wastewater at the Phoenix 23rd Avenue Project" 255
Infiltration Systems
"Wastewater renovation in rapid infiltration systems" ... 2178

Inflammation
"Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer" 1938
Influenza Virus
"Electron carriers of the pulmonary and hepatic detoxifying system in chemical carcinogenesis under conditions of modifying action of influenza virus" 843
Infrared Spectrometry
"The measurement of on-the-fly Fourier transform infrared reference spectra of environmentally important compounds" 73
"Interim protocol for the automated analysis of semivolatile organic compounds by gas chromatography/Fourier transform infrared (GC/FT-IR) spectrometry" 72
Ingestion
"Effects of ingestion of Hibernia and Prudhoe Bay crude oils on hepatic and renal mixed-function oxidase in nestling herring gulls (Larus-argentatus)" 954
Inhalation
"Average daily respiratory intake of polycyclic aromatic hydrocarbons in ambient air determined by capillary gas chromatography" 2115
"Biological effects summary report: Pyrene" 937
"Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route" 1736
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129
"Effect of inhalation of coal fly ash on vitamin A distribution in organs of the rat" 873
"Long-term inhalation study with benzo(a)pyrene and SO2 in Syrian golden hamsters" 1720
"Long-term inhalation studies with rodents" 1364
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"Multiplicative effect of inhaled plutonium oxide and benzo(a)pyrene on lung carcinogenesis in rats" 1603
"The effect of low boiling mineral oil fractions on the metabolism and genotoxic activity of benzo(a)pyrene" 1944
Inhibition
"Anti-carcinogenic effects of the administration of a plant essential oil component, eugenol. I. Inhibition of mutagenicity of benzpyrene and 2-acetylaminofluorene by S-9 fraction of liver from eugenol-administered rats" 2017

Inhibition (cont)
"Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon" 1639
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
"Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes" 1640
"Epidermal benzo[a]pyrene metabolism and DNA-binding in Balb/C mice: inhibition by ellagic acid" 1637
"Genetic, kinetic, and mechanistic studies on the inhibition of interferon production by polycyclic aromatic hydrocarbon carcinogens" 1312
"Genetics of susceptibility of mice to inhibition of interferon induction by benzo-(a)-pyrene" 1309
"Inhibition of human lymphocyte function in vitro by polycyclic aromatic hydrocarbons" 1745
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
"Inhibition of the covalent bond of benzo(a)pyrene to epidermal proteins by indomethacin" 1305
"Inhibition of benzo(a)pyrene and benzo(a)pyrene-trans-7,8-diol metabolism and DNA binding in mouse lung explants by ellagic acid" 1232
"Inhibition of benzo(a)pyrene-induced mouse forestomach tumorigenesis by organoselenium compounds" 1255
"Inhibition of the uptake of benzo[a]pyrene in cells by polyamines" 1481
"Inhibition of DNA methyltransferases in-vitro by benzo(a)pyrene diol epoxide-modified substances" 1995
"Inhibition of chemical carcinogenesis by 2,5-DI-O-acetyl-D-glucaro-1,4:6,3-dilactone" 1960
"Inhibition by plant phenols of benzo(a)pyrene-induced nuclear aberrations in mammalian intestinal cells: A rapid in-vivo assessment method" 1966
"Kinetics of inhibition of in vitro interferon-alpha/beta production after benzo-(a)-pyrene exposure" 1311
"Mechanism based inhibition of benzo(a)pyrene hydroxylase by aryl acetylenes" 842
"Plant phenolics as antimutagens: In vivo evidence for inhibition of an aromatic chemical carcinogen" 1967
"Reversibility of inhibition of interferon-alpha/beta induction by benzo[a]pyrene" 1310
"Studies on activation of benzo[a]pyrene for inhibition of interferon induction" 1217

Inhibition (cont)
"The induction and inhibition of benzo(a)pyrene metabolism in human epidermal keratinocytes and dermal fibroblasts" 882
Inhibitory Effects
"Inhibitory effects of superoxide-generating quinones on superoxide dismutase" 1875
"The inhibitory effect of 4 chemicals on experimental oral carcinogenesis" 1594
"Inhibitory effects of the phorbolester TPA and cigarette smoke condensate on the mutagenicity of benzo[a]pyrene in a co- cultivation system" 1426
Initiation
"5-Azacytidine potentiates initiation induced by carcinogens in rat liver" 1222
"Initiation of chemical carcinogenesis and the asprin-like drugs" 1728
"Mechanisms of initiation and promotion in mouse epidermis" 2022
"Mechanistic aspects of initiation and promotion in C-3H-10T-1-2 cells" 1122
Inland Waters
"Releases of coal liquefaction products in inland waters ORNL/TM-9535" 645
Instant Coffee
"Chemistry of instant coffee" 187
Intake
"Average daily respiratory intake of polycyclic aromatic hydrocarbons in ambient air determined by capillary gas chromatography" 2115
"Dietary intakes of polycyclic aromatic hydrocarbons" ... 2122
Interaction
"Interaction of exogenous hydrocarbons with Chlorella algae in an aqueous medium" 1035
Interactive Effects
"Carbonaceous particles in coal combustion stack ash and their interaction with polycyclic aromatic hydrocarbons" 649
"Influence of carbonaceous particles on the interaction of coal combustion stack ash with organic matter" 650
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772
"The effect of changes in intra vascular pressure on bone tumor induction in rats" 1801
"Benzo(e)pyrene induced alterations in the binding of benzo(a)pyrene to DNA in hamster embryo cell cultures" .. 1877
"Benzo(e)pyrene-induced alterations in the binding of 7,12-dimethylbenz(a)anthracene to DNA in hamster embryo cell cultures" 1878
"Variations among untreated rabbits in benzo(a)pyrene metabolism and its modulation by 7,8-benzoflavone" 1768

Interactive Effects (cont)
"Interaction between nontransforming retroviruses and chemicals in cells in-vitro association with progression to neoplastic phenotypes" 1897
"Vitamin E and its effect on skin papilloma" 1805
"Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes" 1904
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"The effects of fractionated thermally oxidized corn oil on drug- metabolizing enzyme systems in the rat" 1732
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Kinetics of benzo(a)pyrene penetration into the skin of mice under the influence of different phenols" 1853
"Differential alteration of benzo(a)pyrene metabolism in skin and liver by hexachlorobenzene" 1598
"Kinetics of benzo(a)pyrene penetration into the mouse skin after treatment with various phenols" 1854
"The interaction between DNA and chemical carcinogens 1" 1671
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
"Effect of some phenols on the level of benzo(a)pyrene-induced gene mutations and carcinogenesis" 1714
"Initiation of chemical carcinogenesis and the asprin-like drugs" 1728
"Effects of chlorinated dibenzofuran and dioxin on concentration and pattern of chlorobiphenyls and activity of benzo(a)pyrene hydroxylation in mice" 1648
"Alterations in benzo(a)pyrene metabolism in skin and liver after hexachlorobenzene exposure" 1596
"Inhibition of the uptake of benzo[a]pyrene in cells by polyamines" 1481
"Modifying influences of betel quid ingredients on B(a)P-induced carcinogenesis in the buccal pouch of hamster" 1762
"The effects of inducers and inhibitors on the micronucleus test with benzene benzo(a)pyrene and cyclophosphamide" 1340
"Effects of pyrene or benzo(a)pyrene on the mutagenicity of trinitrochlorobenzene or tetranitrocarbazole" 1315
"Prostaglandin endoperoxide synthetase and the activation of benzo(a)pyrene to reactive metabolites in vivo in guinea pigs" 1294

Interactive Effects (cont)
"The effects of glutathione on benzo(a)pyrene-induced cytotoxicity and mutagenicity in the CHO-HGPRT hypoxanthine-guanine phosphoribosyltransferase assay" .. 1774
"Effects of some environmental agents on the elimination kinetics of theophylline" 1131
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205
"Role of tin on heme and drug biotransformation mechanism of partially hepatectomized rats" 1248
"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417
"Effects of a biomimetic superoxide dismutase on complete and multistage carcinogenesis in mouse skin" ... 1252
"Modulatory effect of glucose-6-phosphate dehydrogenase deficiency on benzo(a)pyrene toxicity and transforming activity for in vitro-cultured human skin fibroblasts" . 1270
"Influence of chlordecone and mirex on benzo(a)pyrene metabolism" 1189
"Interaction of certain metal ions with aryl hydrocarbon hydroxylase of rat lung microsomes" 1071
"The interplay between mixed-function oxygenases and DNA alteration under PAH pollution" 1045
"Effects of chronic ethanol consumption on benzo(a)pyrene metabolism and glutathione S-transferase activities in Syrian golden hamster cheek pouch and liver" 981
"Responses of the mussel Mytilus Edulis to copper and phenanthrene: Interactive effects" 980
"The effect of paraquat on the mutagenicity of benzo(a)pyrene" 1973
"Selenium modified mutagenicity and metabolism of benzo[a]pyrene in an S9-dependent system" 1925
"Modulation of benzo(a)pyrene metabolism by dietary sulfur amino acids" 1980
"Metabolism of triphenylene by liver microsomes from control, phenobarbital(PB)-treated and 3-methylcholanthrene(MC)-treated rats" 1928
"Interactions of heavy metals with the pulmonary metabolism of (3H)benzo(a)pyrene" 1989
"Effects of triterpenes on the mutagenicities of various mutagens toward Salmonella" 2010
"The relationship between serum triglyceride concentration and benzo(a)pyrene uptake by serum lipoproteins" 2018
"The effect of live tularemia vaccine on the induction of tumors" 2029

Intercalating Compounds
"Mutagenic activity of some intercalating compounds in the drosophila zeste somatic eye mutation test" 2007
Intercalating Mutagens
"Effect of intercalating mutagens on crossing-over in Drosophila- melanogaster females" 1041
Intercalation
"Role of intercalation in polycyclic aromatic hydrocarbon carcinogenesis" 1347
Intercalation
"The intercalation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene metabolites and metabolite model compounds into DNA" 1507
Intercalative Binding
"A comparison of the DNA intercalative binding of bay versus K region metabolites of benzo[a]pyrene" 840
"A comparison of the intercalative binding of non-reactive benzo[a]pyrene metabolites and metabolite model compounds to DNA" 839
"The intercalative binding and antitumor activity of some bis-acridines related to nitracrine" 1048
Intercalators
"Proton NMR of intercalators and guanylyl-3' 5'-cytidylyl-3' 5' adenosine a potential mutagenicity probe" 41
Interferon
"Effect of aromatic carcinogens and noncarcinogenic analogs on the induction of murine.alpha./.beta.-interferon" 1881
"Genetic, kinetic, and mechanistic studies on the inhibition of interferon production by polycyclic aromatic hydrocarbon carcinogens" 1312
"Genetics of susceptibility of mice to inhibition of interferon induction by benzo-(a)-pyrene" 1309
"Kinetics of inhibition of in vitro interferon-alpha/beta production after benzo-(a)-pyrene exposure" 1311
"Reversibility of inhibition of interferon-alpha/beta induction by benzo[a]pyrene" 1310
"Studies on activation of benzo[a]pyrene for inhibition of interferon induction" 1217
Interlaboratory Comparison
"Interlaboratory comparison of quantification of PAH in atmospheric aerosols by gas and liquid chromatographies and by Shpol'skii fluorometry" 118
Intermolecular Potential
"Intermolecular potential calculations for polycyclic aromatic hydrocarbons" 132

Internal Combustion Engine
"Quantitative biological and chemical analysis of particulate emissions from diesel and internal-combustion engines" 787
"Sampling and analysis of polycyclic aromatic hydrocarbons (PAH) from two-stroke chain-saw engines" ... 717
"Some thermal decomposition products of carboxylic esters used as lubricants in a two-stroke-cycle engine" . 608
"Frequency, analysis and importance of PAHs as environmental carcinogens" 1320
"Forklift trucks. Chemical pollution, noise, vibration" . 2057
Intertidal Wetland
"A test procedure to predict the bioavailability of heavy metals, polychlorinated biphenyls and polyaromatic hydrocarbons to animals colonizing an intertidal wetland" 1869
Intestinal Cells
"Inhibition by plant phenols of benzo(a)pyrene-induced nuclear aberrations in mammalian intestinal cells: A rapid in-vivo assessment method" 1966
Intestinal Epithelium
"Discrimination of structurally similar carcinogen noncarcinogen analogs by analysis of sister chromatid exchange in-vivo in bone marrow and intestinal epithelium of Chinese hamsters" 1655
Intestinal Microflora
"Mutagenic activation of biliary metabolites of 1-nitropyrene by intestinal microflora" 1630
"Metabolism of 1-nitropyrene and 6-nitrobenzo(a)pyrene by intestinal microflora" 866
"Metabolism of nitropolycyclic aromatic hydrocarbons by human intestinal microflora" 869
Intra Vascular Pressure
"The effect of changes in intra vascular pressure on bone tumor induction in rats" 1801
Intraovarian Injection
"The effect of intraovarian injection of benzo(a)pyrene on primordial oocyte number and ovarian aryl hydrocarbon [benzo(a)pyrene] hydroxylase activity" 1002
Intraperitoneal Injection
"Hepatocarcinogenicity of benzo[a]pyrene to rainbow trout by dietary exposure and intraperitoneal injection" 1370
Intrarectal Administration
"Induction of colon cancer in inbred Syrian hamsters by intrarectal administration of benzo(a)pyrene, 3-methylcholanthrene and N- methyl-N-nitrosourea" 1963
Intratracheal Installation
"Toxicokinetics of benzo(a)pyrene in rats following intratracheal installation" 1979

Iron
"Influence of phagocytosis of benzo(a)pyrene (BaP) coated ferric oxide (Fesub 2Osub 3) on benzo(a)pyrene metabolism by pulmonary alveolar macrophages (PAM)" 1319
Iron Casting Molds
"Analysis of emissions collected from four types of iron casting molds" 754
Iron Foundry
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry castings operations. Volume 1." 2145
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry casting operations. Volume 5" 2146
Iron Oxides
"Adsorption properties of PAH on asbestos and iron oxides, in relation with their activity in biological medium" 295
Iron Works
"Investigation of polycyclic aromatic hydrocarbon discharges to water in the vicinity of Buffalo, New York" 710
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry casting operations. Volume 5" 2146
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry castings operations. Volume 1." 2145
Irrigation
"Use of oil contaminated water for irrigation of vegetables" 755
Isolation
"Analytical isolation, separation and identification of mutagens from nonvolatile organics of drinking water" ... 501
"Application of HPLC to the isolation of molecular targets in dosimetry studies" 1079
"Isolating fly ash adsorbed benz(a)anthracene-14 C and benzo(a)pyrene-14 C using liquid extraction" 584
"Isolation of organic material from water" 371
"Isolation and concentration of organic substances from water: an evaluation of supercritical fluid extraction. NEPA/600/1-84/028" 51
"Isolation of mononitrated polycyclic aromatic hydrocarbons in particulate matter by liquid chromatography and determination by gas chromatography with the thermal energy analyzer" 196
"Isolation of nuclear fractions from human fetal tissues ultrastucture and presence of epoxide hydrolase and aryl hydrocarbon hydroxylase" 1704
"Isolation and characterization of benzo(a)pyrene metabolites formed in vivo by juvenile and adult English Sole" 1031

Isolation (cont)
"Isolation and characterization of rat liver cytosolic aldehyde dehydrogenases induced by phenanthrene or benzo[a]pyrene" 1935
"Polycyclic aromatic hydrocarbons. IV. Isolation and fractionation in environmental samples" 274
"The isolation of some polynuclear aromatic hydrocarbons from aqueous samples by means of reversed-phase concentrator columns" 202
Isomeric Retinals
"Resonance raman and absorption spectra of isomeric retinals in their lowest excited triplet states" 214
Isomers
"Analysis of isomeric polycyclic aromatic hydrocarbons by charge-exchange chemical ionization mass spectrometry" 178
"Determination of series of aromatic isomers by high resolution spectrofluorometry and capillary gas chromatography in HPLC fractions of crude petroleums and sedimentary rock extracts" 638
"Preparation of pure isomers of di nitro pyrenes" 76
"Quantitative determination of polycyclic aromatic hydrocarbons isomers in unresolved HPLC peaks by using variable wavelength UV detector" 91
"Relative thermochemical stabilities and reactivities of benzo(a)pyrene and selected isomers" 318
"Separation of isomers of nitro-polycyclic aromatic hydrocarbons" 67
Jaw Cysts
"Experimental modeling of cystic formations of the jaw" . 976
Jet Spectroscopy
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report August 1, 1984 - October 31, 1984" 121
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report May 1 - July 31, 1984" ... 122
"Supercritical fluid chromatography/supersonic jet spectroscopy progress report, February 1 - April 30, 1984" 123
Job Exposure Matrix
"A job-exposure matrix for use in population based studies in England and Wales" 2123
K Region
"Relative roles of K region and bay region towards determining the carcinogenic potencies of polycyclic aromatic hydrocarbons" 1618
"Cytochrome P-450-catalyzed stereoselective epoxidation at the K region of benz(a)anthracene and benzo(a)pyrene" 2014

K-Region Epoxides
"Opposite stereoselectivity of cytochrome P-448 in catalyzing the formation of benz(a)anthracene and 7,12-dimethylbenz(a)anthracene K-region epoxides" 1647
Kaki Fruits
"Variations in the content of polycyclic aromatic hydrocarbons (PAH) in kaki (Diospyros kaki L.) fruits" .. 418
Keratinocytes
"In vitro analysis of multistage epidermal carcinogenesis: development of indefinite renewal capacity and reduced growth factor requirements in colony forming keratinocytes precedes malignant transformation" 1729
Kerosene Heater(s)
"Mutagenicity and nitropyrene content in indoor air heated with a kerosene heater" 752
"Emissions from unvented kerosene heaters" 762
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802
Kerosine Heater(s)
"Mutagenicity of combustion products in kerosine heater emission" 1490
Kidneys
"Subfractionation of the head and trunk kidneys of the Northern Pike (Esox Lucius)" 848
Killer Cell Activity
"Effect of red ginseng on natural killer cell activity in mice with lung adenoma induced by urethane and benzo(a)pyrene" 2021
Killifish
"Coassimilation of dietary fat and benzo(a)pyrene in the small intestine: an absorption model using the killifish" 1958
Lake Michigan
"Polycyclic aromatic hydrocarbons in Lake Michigan sediments" 331
Lambda Prophage
"Mutagenic action of alkylating agents on lambda prophage" 1133
Laminaria
"Dietary seaweed Laminaria and mammary carcinogenesis in rats" 1921
LAMMA
"Detection of polycyclic aromatic hydrocarbons at different natural microparticulate level by laser microprobe mass analysis (LAMMA)" 204
Land Reclamation
"Mined land reclamation using polluted urban navigable waterway sediments: II. Organics" 2203

Land Treatment
"Land treatment of contaminated sludge with wastewater irrigation" 2183
"Small-scale field evaluations of land treatment of an oily hazardous waste" 2196
Landfill Leachate
"Occurrence and distribution of organic chemicals in two landfill leachate plumes" 766
Langerhans Cells
"Carcinogen-induced depletion of cutaneous Langerhans cells" 1642
Larus argentatus
"Effects of ingestion of Hibernia and Prudhoe Bay crude oils on hepatic and renal mixed-function oxidase in nestling herring gulls (Larus-argentatus)" 954
Larval Development
"Effects of some mycotoxins and synthetic genotoxic substances on the embryonic and larval development of Brachydanio rerio" 1208
Laser Fluorimetry
"Three-dimensional high-performance liquid chromatography based on time-resolved laser fluorimetry" 83
Laser Induced Fluorescence
"Measurements of species concentrations in flames by laser-induced fluorescence. (Final report)" 120
"Remote detection of polynuclear hydrocarbons using laser-induced fluorescence" 127
Laser Microprobe
"Detection of polycyclic aromatic hydrocarbons at different natural microparticulate level by laser microprobe mass analysis (LAMMA)" 204
"Investigation of heterogeneous reactions of PAH's on particle surfaces using laser microprobe mass analysis" . 140
Leachability
"The leachability of carbon-14-labelled 3-4-benzopyrene from coal ash into aqueous systems" 583
Leachate
"Detection and identification of organic substance by GC/MS spectrometry. IV. Leachate from final disposal site for industrial waste" 668
"Round robin investigation of organic compounds in aqueous leachates of solid wastes: Application to H-coal filter cake leachates" 571
Leaching
"Leaching of PAH from industrial wastes with municipal waste leachate" 729
Ledakrin
"DNA damage in Hela S-3 cells by an anti tumor drug ledakrin and other anti tumor 1 nitro-9-amino acridines" 1999

Lepomis
"The photoenhanced toxicity of anthracene to juvenile sunfish (Lepomis spp.)" 1699
Lepomis macrochirus
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
Lesions
"Elimination and repair of lesions induced by benzo(a)pyrene in the DNA of human embryo pulmonary fibroblasts (ICP-23 cell line)" 1957
Lettuce
"Polycyclic aromatic hydrocarbons and lead in roadside lettuce and rye grain" 380
Leukemia
"Aryl hydrocarbon hydroxylase inducibility among primary relatives of children with leukemia or solid tumors" 1521
Leukocytes
"Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer" 1938
Leuresthes tenuis
"Oxygen consumption rates of grunion (Leuresthes tenuis) embryos exposed to the petroleum hydrocarbon, benzo[a]pyrene" 918
Light
"Effect of nitro substitution on the light-mediated mutagenicity of polycyclic aromatic hydrocarbons in Salmonella typhimurium TA98" 1982
Lingual Neoplasia
"The effect of the short dose schedule of 7-12-dimethylbenz(a) anthracene application in inducing lingual neoplasia in inbred Syrian hamsters" 1563
Lipid Bilayers
"Time-resolved fluorescence anisotropies of diphenylhexatriene and perylene in solvents and lipid bilayers obtained from multifrequency phase-modulation fluorometry" 117
Lipid Bilayers
"The effects of pressure and cholesterol on rotational motions of perylene in lipid bilayers" 876
Lipid Composition
"Lipid composition of transplantable tumors of the salivary glands" 1054
Lipid Peroxidation
"The generation of oxidation products of benzo(a)pyrene by lipid peroxidation" 66
"The formation of the ultimate carcinogen of benzo(a)pyrene during non-enzymic lipid peroxidation" ... 1588
"Formation of mutagenic products of benzo(a)pyrene mediated by lipid peroxidation" 1590

Lipid Peroxidation (cont)
"Detection of the metabolism of polycyclic aromatic hydrocarbon derivatives to ultimate carcinogens during lipid peroxidation" 1231
"The generation of oxidation products of benzo(a)pyrene by lipid peroxidation a study using Alpha irradiation" .. 907
Lipids
"Lysosomal lipids in experimental carcinogenesis" 1542
Liquid Chromatography
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in fish and shellfish" 503
"Microcolumn liquid chromatography combined with computer-assisted retention prediction system for polycyclic aromatic hydrocarbons in an extract from diesel particulate matter" 697
"Liquid chromatographic determination of trace residues of polynuclear aromatic hydrocarbons in smoked foods" ... 698
"Determination of nitro-polynuclear aromatic hydrocarbons in diesel soot by liquid chromatography with fluorescence and electrochemical detection" 726
"Determination of polycyclic aromatic hydrocarbons in biomass gasifier effluents with liquid chromatography/diode array spectroscopy" 619
"Characterization of organics in aerosol samples from a Los Angeles receptor site using extraction and liquid chromatography methodology" 344
"Determination of polycyclic aromatic hydrocarbons in some Canadian commercial fish, shellfish, and meat products by liquid chromatography with confirmation by capillary gas chromatography-mass spectrometry" 381
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in air particulate extracts" 406
"Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence" 176
"The influence of the pore size of bonded phases containing phenyl groups in the retention of polycyclic aromatic hydrocarbons in reversed-phase liquid chromatography" 96
"Separation of aromatic hydrocarbons using bonded-phase charge-transfer liquid chromatography" 194
"Isolation of mononitrated polycyclic aromatic hydrocarbons in particulate matter by liquid chromatography and determination by gas chromatography with the thermal energy analyzer" 196
"Amperometric detection for liquid chromatographic separation of polynuclear hydrocarbons" 106
"Application of perdeuterated polycyclic aromatic hydrocarbons (PAH) as international standards for the liquid chromatographic determination of PAH in petroleum crude oil and other complex mixtures" 108

Liquid Chromatography (cont)
"High-performance packed glass-lined stainless steel capillary column for microcolumn liquid chromatography" . 109
"Analysis of polynuclear aromatic mixtures by liquid chromatography/mass spectrometry" 115
"Liquid chromatographic separation of diastereomers and structural isomers on cyclodextrin-bonded phases" 13
"Determination of polycyclic aromatic hydrocarbons in Canadian samples of processed vegetable and dairy products by liquid chromatography with fluorescence detection" 382
"Cyclodextrin bonded phases for the liquid chromatographic separation of optical geometrical and structural isomers" 12
"Physical binding of pyrene and phenanthrene to native and denatured DNA: measurements by spectral and coupled-column liquid chromatography methods" 136
"On-line pre-concentration and liquid chromatography of azaarenes using nitroaromatic sorbents" 141
"Separation and characterization of very large neutral polycyclic molecules in fossil fuels by microcolumn liquid chromatography and mass spectrometry" 143
"Liquid chromatography separation of non-volatile components of fossil fuels at very high resolution. Final report" 144
"Quantitation and identification of polynuclear aromatic hydrocarbons by liquid chromatography and multiwavelength absorption spectrometry" 164
"Molecular-shape recognition of polycyclic aromatic hydrocarbons in reversed phase liquid chromatography" ... 92
"Correlation of the retention data of poly aromatic hydro carbons obtained on various stationary phases used in normal and reversed phase liquid chromatography" 93
Liquid Extraction
"Isolating fly ash adsorbed benz(a)anthracene-14 C and benzo(a)pyrene-14 C using liquid extraction" 584
Liquid Scintillation
"Comparative study on the fate of the polychlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus), determined by liquid scintillationcounting and autoradiography"..... 1007
"An autoradiographic study of the chlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl, and the polycyclic aromatic hydrocarbon, phenanthrene, in flounder (Platichthys Flesus) accompanied by liquid scintillationcounting" 1009

Liquid Scintillation (cont)
"Comparative study on the fate of polychlorinated biphenyl 2,4,5,2',4', 5'hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus) determined by liquid scintillationcounting and autoradiography"..... 1012
Liquid Wastes
"Hazardous organic compounds in liquid wastes from disposal pits for production of natural gas" 613
Liquid-liquid Partitioning
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up- procedure consisting of liquid-liquid and reversed phase(octadecyl)-partitioning" 180
Littorina littorea
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
Liver
"Activation of chemical carcinogens by cultured human fetal liver, esophagus and stomach" 1073
"Alterations in benzo(a)pyrene metabolism in skin and liver after hexachlorobenzene exposure" 1596
"Bioactivation of premutagenic aerosol extracts by liver and lung homogenates of different species" 1427
"Differential alteration of benzo(a)pyrene metabolism in skin and liver by hexachlorobenzene" 1598
"Lysosomal lipids in experimental carcinogenesis" 1542
"Promotion of preneoplastic changes in liver by coal-derived organic mixtures applied to skin" 1779
"Seasonal variation of the xenobiotic metabolizing enzyme activities in the liver of male and female Vendace Coregonus-albula" 1533
Liver Disease
"Possible risk of liver diseases from exposure to bitumen" 2051
Liver Metabolism
"Comparison of effect of chronic ethanol consumption by Syrian hamsters on liver metabolism and mutagenicity of benzo(a)pyrene and N-nitrosopyrrolidine" 1218
Liver Microsome
"Effects of acetylenic and olefinic pyrenes upon cytochrome P-450 dependent benzo(a)pyrene hydroxylase activity in liver microsomes" 901
Liver Monoxygenase
"The influence of 18 environmentally relevant polycyclic aromatic hydrocarbons and Clophen A50, as liver monooxygenase inducers, on the mutagenic activity of benz[a]anthracene in the Ames test" 1678

Liver Neoplasia
"Frequencies of liver neoplasia in a feral fish population and associated carcinogens" 1092
Liver Tumors
"Transplantable chemically-induced liver tumors in the viviparous fish Poeciliopsis" 1839
Lobsters
"Accumulation of polycyclic aromatic hydrocarbons by lobsters (Homarus americanus) held in a tidal pond (microform)" 1026
"Polycyclic aromatic hydrocarbon accumulation and sensory evaluation of lobsters (Homarus americanus) exposed to diesel oil, Arnold's Cove, Newfoundland" 541
"Polycyclic aromatic hydrocarbon accumulation and sensory evaluation of lobsters (Homarus americanus) exposed to diesel oil, Arnold's Cove, Newfoundland" 541
Localization
"Cellular uptake and intracellular localization of benzo(a)pyrene by digital fluorescence imaging microscopy" 1743
"Formation of DNA modifications by chemical carcinogens. Identification, localization and quantification" 114
Long Range Transport
"The long-range transport of organic pollutants to the Arctic" 432
Long Term Oil Exposure
"Bioenergetics and survival of the marine snail Thais lima during long-term oil exposure" 1016
Low Boiling Mineral Oil
"The effect of low boiling mineral oil fractions on the metabolism and genotoxic activity of benzo(a)pyrene" 1944
Low Volume Air Sampler
"Studies on chemical compositions of airborne particulates collected by the 10.mu.m cutoff low-volume air sampler. IV" 484
Low-Btu Gasifier
"University of Minnesota-Duluth low-Btu gasifier workplace environment" 2165
Lubricating Oils
"Determination of polynuclear aromatic hydrocarbons in petroleum oils by combination of thin-layer chromatography and gas chromatography-mass spectrometry" 767
Luminescence
"Rapid luminescence determination of polycyclic aromatic substances in water" 361
Luminescence Analysis
"A ranking index to characterize polynuclear aromatic pollutants in environmental samples" 532

Luminescence Analysis (cont)
"Application of high-resolution Shpol'skii luminescence spectroscopy to the determination of polycyclic aromatic hydrocarbons (PAH) in environmental samples" 307
"Analysis of polynuclear aromatic hydrocarbons in particulate matter by luminescence techniques" 347
"Analysis of polynuclear aromatic hydrocarbons in particulate matter by luminescence techniques" 287
"Air pollution: applications of simple luminescence techniques" 208
"Solid surface luminescence analysis. (Progress report November 1982 - March 1984)" 81
Luminescence Screening
"Effectiveness and cost benefit of a luminescence screening procedure for polyaromatic pollutants in ambient air" 206
"The effectiveness and cost benefit of a luminescence screening procedure for polyaromatic pollutants in ambient air" 209
Luminescence Spectroscopy
"Spectral fingerprinting of polycyclic aromatic hydrocarbons in high-volume ambient air samples by constant energy synchronous luminescence spectroscopy" . 105
Lung
"Bioactivation of premutagenic aerosol extracts by liver and lung homogenates of different species" 1427
"Biochemistry, physiology and drug metabolism--implications regarding the role of the lungs in drug disposition" 1798
"Differences in pulmonary metabolism of benzo(a)pyrene in inbred mouse strains, using the isolated perfused lung" 1873
"Induction of sister chromatid exchange by benzo(a)pyrene in primary lung culture" 1401
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"The effects of a cocarcinogen, ferric oxide, on the metabolism of benzo(a)pyrene in the isolated perfused lung" 1968
"The metabolism of dibenz(a,j)acridine in the isolated perfused lung" 1969
Lung Cancer
"Enhanced formation of benzo(a)pyrene:DNA adducts in monocytes of patients with a presumed predisposition to lung cancer" 1802
"Enhanced formation of benzo(a)pyrene-DNA adducts in monocytes of patients with a presumed genetic risk for lung cancer" 1681
"Experimental lung cancer induced by chemical carcinogens and immunity" 1376

Lung Cancer (cont)
"A family of epidermoid lung cancer models" 1103
"Lung cancer and air pollution in Guangzhou, China" 2174
"Genetic factors in lung cancer" 2135
"Air pollution and lung cancer" 2108
"Proportion of lung cancers due to occupational exposure" 2124
"Diesel exhaust exposure and lung cancer: a case--control study" 2085
Lung Cancer Cell Lines
"Xenobiotic-metabolizing enzyme activity in human non-small-cell derived lung cancer cell lines" 1269
Lung Cancer Risk
"Pyrolytic emissions, profiles of polycyclic aromatic hydrocarbons and lung cancer risk - data and evaluation" 2227
Lung Carcinogenesis
"Nutritional factors in lung, colon, and prostate carcinogenesis in animal models" 1483
Lung Carcinoma
"Lung carcinoma induction in Syrian golden hamsters by intratracheal instillation of 1,6-dinitropyrene" 1912
Lung Cells
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767
Lung Irritation
"Counting alveolar macrophages (AM) from expectorate samples of exposed workers as a test for lung irritation from occupational exposure" 2082
Lung Tumor Cells
"Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of.alpha.-human chorionic gonadotropin-specific mRNA sequences and benzo(a)pyrene-induced hypomethylation" ... 1998
Lung Tumorigenesis
"The effect of vitamin A deficiency on the initiation and postinitiation phases of benzo(a)pyrene-induced lung tumorigenesis in rats" 1237
Lymph Node
"Local lymph node morphology during hamster cheek pouch carcinogenesis" 1186
Lymphatic Nodes
"Effect of 3,4-benz(a)pyrene on the microscopic anatomy of regional lymphatic nodes of the female rat in pregnancy" 1006
Lymphatic System
"Benzo[a]pyrene uptake by lymph: a possible transport mode for immunosuppressive chemicals." 1145
Lymphatic Transort
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administrated to rats in different amounts of dietary fat" 1495

Lymphatic Transport
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administered to rats in different amounts of dietary fat" 950
Lymphocyte
"Interindividual differences in benzo(a)pyrene activation by lymphocytes, monocytes, and human skin as an indication of potential risk" 1827
"Persistence of DNA adducts of 7 8 dihydroxy-9 10-oxy-7 8 9 10- tetrahydrobenzo(a)pyrene in lymphocytes of nonsmokers smokers and patients with bronchial carcinoma" 1072
"Relation between formation of adducts to DNA, induction of DNA repair and release of DNA from cells in benzo(a)-pyrene treated human mitogen-stimulated lymphocytes. Effect of duration of culture on the conditions for assessment of unscheduled DNA syntheses" 1909
"Role of the Peyer's patches in carcinogenesis of lymphocytes by polycyclic aromatic hydrocarbons" 1126
Lyngbyatoxin A
"A 2-stage mouse skin carcinogenesis study of Lyngbyatoxin A" 1288
Lysosomal Membranes
"The fine structure of lysosomal membranes and endoplasmic reticulum in the digestive cells of Mytilus edulis exposed to anthracene and phenanthrene" 1679
"Effects of polynuclear aromatic hydrocarbons on lysosomal membranes in mollusks" 978
"Factors affecting the acid phosphatase activity of lysosomal membranes" 1940
"Characteristic of the sites of benzo(a)pyrene binding with lysosomal membranes" 1939
Lysosomal Responses
"Lysosomal responses to a polynuclear aromatic hydrocarbon in a marine snail: effects of exposure to phenanthrene and recovery" 979
Lysosomes
"Lysosomal lipids in experimental carcinogenesis" 1542
Macrobenthic Communities
"Sediment toxicity, contamination, and macrobenthic communities near a large sewage outfall" 499
Macrobenthos
"Organic pollution and the macrobenthos of Raritan Bay" . 495
Macromolecular Synthesis
"Benzo(a)pyrene effects on macromolecular synthesis in synchronous Scenedesmus-quadricauda" 1040
Maja crispata
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858

Malignancy
"Origin and reversibility of malignancy" 1804
Malignant Transformation
"Induction of malignant transformation by various chemicals in Balb/3T3 clone A31-1-1 cells and biological characterization of some transformants" 1284
Malodorous Volatiles
"Characterization of malodorous volatiles in air using olfactometry and computer assisted capillary-gas chromatography-mass spectrometry" 193
Mammalian Cell Mutation
"Mammalian cell mutation and polycyclic hydrocarbon carcinogenesis" 1134
Mammalian Microsome
"Polar organic compounds in urban aerosols identification and mutagenicity in the Salmonella-typhimurium mammalian microsome bioassay" ... 1627
Mammary Carcinogenesis
"Inhibition of 7-12-dimethylbenz(a)anthracene induced rat mammary carcinogenesis by concomitant of post carciogen anti oxidant exposure" 1579
"Effects of dietary lipid saturation on prolactin secretion carcinogen metabolism and mammary carcinogenesis in rats" 1178
"Dietary seaweed Laminaria and mammary carcinogenesis in rats" 1921
Mammary Ductal Dysplasia
"Factors influencing of mammary ductal dysplasia in cell dissociation-derived murine mammary outgrowths" 1265
Mammary Gland
"Measurements of chemical-induced sister-chromatid exchanges in a whole organ in-vitro" 1558
Mammary Tumor
"Role of estrogen and prolactin in stimulation of carcinogen induced mammary tumor development by a high fat diet" 1075
"Effects of mammary tumor yield of reducing dietary fat after promotion by high-fat diet" 1158
Mammary Tumor Cells
"Distribution of organic soluble, sulfate, glucuronide and glutathione conjugates of benzo(a)pyrene (BaP) metabolites in human mammary tumor T 47D cells" 1602
Marine Area
"Benz(a)pyrene input and occurrence in a marine area affected by refinery effluent" 695
Marine Environment
"Automated GC/MS for analysis of aromatic hydrocarbons in the marine environment" 494

Marine Fish
"Activation of polycyclic aromatic hydrocarbons by hepatic S-9 from a marine fish" 1609
"Benzo[a]pyrene metabolism in marine fish and some analytical aspects of its metabolites" 998
"Characterization of cytochrome P-450-dependent promutagen activation in two species of marine fish" 964
"Variation of hepatic aryl hydrocarbon hydroxylase (AHH) and 7-ethoxyresofurin O-deethylase (7-ERD) activities in marine fish from Maine: Evidence that monooxygenase activities of only a few species are induced by environmental exposure to PAH type compounds" 856
Marine Invertebrates
"The activation of aromatic amines in some marine invertebrates" 947
"High dissolved carbon phosphorus excretion ratios for large benthic marine invertebrates" 1034
Marine Organisms
"The levels and effects of the carcinogen benzo(a)pyrene in marine organisms from the Los Angeles Harbor" 281
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up- procedure consisting of liquid-liquid and reversed phase (octadecyl)-partitioning" 180
Marine Planktonic Algae
"The effect of aromatic hydrocarbons on the productivity of various marine planktonic algae" 1421
Marine Samples
"Hexachlorobenzene in selected marine samples: An environmental perspective" 447
Marine Snail
"Bioenergetics and survival of the marine snail Thais lima during long-term oil exposure" 1016
"Lysosomal responses to a polynuclear aromatic hydrocarbon in a marine snail: effects of exposure to phenanthrene and recovery" 979
Mass Analysis
"Detection of polycyclic aromatic hydrocarbons at different natural microparticulate level by laser microprobe mass analysis (LAMMA)" 204
Mass Chromatography
"Organic sulfur compounds and polycyclic hydrocarbons transferred to oyster and mussel from petroleum suspension. Identification by gas chromatography and capillary mass chromatography" 433
Mass Spectrometry
"Selective determination of substituted PAH in aerosols using liquid carbon dioxide-extraction, HPLC prefractionation on chemically activated silica, and HRGC combined with negative ion mass spectrometry" 185

Mass Spectrometry (cont)
"Characterization of malodorous volatiles in air using olfactometry and computer assisted capillary-gas chromatography-mass spectrometry" 193
"Separation and analysis of 3-nitro-benzo(e)pyrene and 1-nitro- benzo(a)pyrene, 3-nitro-benzo(a)pyrene and 6-nitro-benzo(a)pyrene via fused silica gas chromatography combined with negative ionization atmospheric pressureionization mass spectrometry"..... 111
"Analysis of polynuclear aromatic mixtures by liquid chromatography/mass spectrometry" 115
"Determination of the composition of heavy pyrolysis tar by chromatography-mass spectrometry and gas-liquid chromatography" 116
"Sample enrichment for gas chromatographic-mass spectrometric analysis of polynuclear aromatic hydrocarbons in water and in organic mixtures" 30
"Identification of specific organic water pollutants in the River Sava by high-resolution chromatographic techniques and computer- assisted mass spectrometry" ... 232
"Comment on the paper "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 138
"Determination of nitrogen compounds in hydrotreated shale oils by preparative high-performance liquid chromatography and gas chromatography-mass spectrometry" 35
"Separation and characterization of very large neutral polycyclic molecules in fossil fuels by microcolumn liquid chromatography and mass spectrometry" 143
"Negative ion chemical ionization mass spectrometry - a useful technique for the selective detection of polar substituted polycyclic aromatic hydrocarbons with mutagenic properties" 146
"Selectivity of negative ion chemical ionization mass spectrometry for benzo(a)pyrene" 77
"The reduction of nitro polycyclic aromatic hydrocarbons during mass spectrometry" 154
"Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry" 157
"Reply to the comment of Dr. Nielsen on "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 158
"Analysis of mononitro-isomers of fluoranthene and pyrene by high- resolution capillary gas chromatography-mass spectrometry" 159
"Identification of extractable organic chemicals in sewage effluent by gas chromatography/mass spectrometry" 778

Mass Spectrometry (cont)
"A survey analysis of resistant organic chemicals in water by high resolution gas chromatography/mass spectrometry" 777
"Mass-spectrometric study of the volatile part of coal-tar pitches" 592
"GC/MS identification of organic pollutants in the Caroni River, Trinidad" 417
"Laser microprobe mass spectrometry of environmental soot particles" 404
"Analysis of isomeric polycyclic aromatic hydrocarbons by charge-exchange chemical ionization mass spectrometry" 178
"Determination of polycyclic aromatic hydrocarbons in some Canadian commercial fish, shellfish, and meat products by liquid chromatography with confirmation by capillary gas chromatography-mass spectrometry" 381
"Comparative analysis of hazardous compounds on fly-ash from municipal waste incineration by gas chromatography/mass spectrometry" 816
"Identification of oxygenated polycyclic aromatic hydrocarbons in diesel particulate matter by capillary gas chromatography and capillary gas chromatography/mass spectrometry" 772
"Identification of organic compounds obtained from incineration of municipal waste by high-performance liquid chromatographic fractionation and gas chromatography-mass spectrometry" 804
"Rates of microbial degradation of petroleum components as determined by computerized capillary gas chromatography and computerized mass spectrometry" 439
"Determination of trace amounts of organic pollutants in the Yellow River by capillary column gas chromatography-mass spectrometry" 546
"Determination of polynuclear aromatic hydrocarbons in petroleum oils by combination of thin-layer chromatography and gas chromatography-mass spectrometry" 767
"Analysis of organics in the environment by functional group using a triple quadrupole mass spectrometer" 342
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
"Characterization of polycyclic organic matter in urban air particulate matter by gas chromatography-electron impact and negative ion chemical ionization mass spectrometry" 463
"Gas chromatographic-mass spectrometric computer analysis of incinerator wastewaters" 780

Mass Spectroscopy (cont)
"Studies on an automated survey system of environmental chemicals by gas chromatography-mass spectrometry-computer. I. Retrieval system of mass spectra" 175
"Polycyclic aromatic hydrocarbons. III. Analysis of environmental samples by computerized gas chromatography-mass spectrometry" 68
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up- procedure consisting of liquid-liquid and reversed phase (octadecyl)-partitioning" 180
"Laser microprobe mass analysis of refinery source emissions and ambient samples" 623
"Evaluation of the mutagenicity and the identification of airborne particulate extracts by a gas chromatography-mass spectrometry computer data system" . 226
"Simplified determination of polycyclic aromatic hydrocarbons" 15
"Survey of direct analysis methods for organic compounds in particulate matter. NEPA-600/4-84-016" 3
"High performance liquid chromatographic separation and gas chromatography-mass spectrometric analysis of polar components in coal- derived distillate oil" 167
"Analysis of polycyclic aromatics in coal-tar and petroleum tar pitches by field desorption mass spectroscopy" 794
"Identification of partially hydrogenated nitrogen-containing polycyclic aromatic hydrocarbons in coal liquids by tandem mass spectrometry" 169
Maternal Fetal Exchange
"32P-postlabeling assay of transplacental DNA damage induced by safrole, 4-aminobiphenyl, benzo(a)pyrene and dibenzo(c,g)carbazole in fetal mouse tissues" 1546
"Transplacental and transmammary delivery of 1-nitropyrene in mice" 1391
Mathematical Simulation
"Disposition of anthracene in the water and Aufwuchs matricies of a large outdoor channel microcosm: A data set for mathematical simulation models" 257
Max. Permissible Conc.
"Harmful industrial substances - Toxicological and medical basis for the establishment of maximum permissible concentrations 10th supplement" 2221
Max. Permissible Exposure
"Selection, follow-up, and analysis in the Coke Oven Study" 2133

Maximum Permissible Levels
"Harmful industrial substances - Toxicological and medical basis for the establishment of maximum permissible concentrations 10th supplement" 2220
MCS Model
"The MCS model of chemical initiation of cancer" 1908
Measurement
"Automotive emission factors: an indirect measurement method applied to polycyclic aromatic hydrocarbon and lead emissions" 712
"Emission control effectiveness of a woodstove catalyst and emission measurement methods comparison" 733
"Emissions of metals and hydrocarbons and their measurement" 815
"Evaluation of polyurethane foam cartridges for measurement of polynuclear aromatic hydrocarbons in air" 39
"Measurement of viability and aryl hydrocarbon hydroxylase activity in cryopreserved baboon peripheral blood lymphocytes and pulmonary alveolar macrophages" .. 972
"Measurement of exhaust emissions from diesel-powered forklifts during operations in ammunition storage magazines NPN-3611" 2160
"Measurements of polycyclic aromatic hydrocarbons in ambient air particulates in Northern New England" 340
"Measurements of polycyclic aromatic compounds in the cylinder of an operating diesel engine. NEPA/600/D-85/012" 704
"Measurements of species concentrations in flames by laser-induced fluorescence. (Final report)" 120
"Octanol-water partition coefficient of benzo(a)pyrene: measurement, calculation, and environmental implications" 395
"Physical binding of pyrene and phenanthrene to native and denatured DNA: measurements by spectral and coupled-column liquid chromatography methods" 136
"Results of discontinuous sulfur dioxide and multicomponent measurements in the Rhine-Ruhr region for 1983" 348
"Results of emission measurements at waste incineration plants" 705
"Simplified measurement technique for polycyclic aromatic hydrocarbons using the EPA Method 5 sampling train" 85
"The measurement of on-the-fly Fourier transform infrared reference spectra of environmentally important compounds" 73
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203

Measurement (cont)
"Tunnel measurement of the PAH (polycyclic aromatic hydrocarbons), carbon thermogram and elemental source signature from vehicular exhaust" 674
Meat Factories
"Determination of the total polycyclic aromatic hydrocarbons and benzo(a)pyrenes in smoky air in meat factories" 730
Meat Products
"Determination of polycyclic aromatic hydrocarbons in some Canadian commercial fish, shellfish, and meat products by liquid chromatography with confirmation by capillary gas chromatography-mass spectrometry" 381
Mechanism
"Cell culture studies of the mechanism of action of chemical carcinogens and tumor promoters" 1974
"Diregion theory - new concept for quantitative structure/carcinogenic activity relation and mechanism of chemical carcinogenesis" 1194
"Mechanisms of reaction of benzo(a)pyrene-7 8-diol-9 10-epoxide with DNA in aqueous solutions" 1300
"Mechanisms of interaction of polycyclic aromatic diolexpoxides with DNA and structures of the adducts" ... 1299
"Mechanisms of multistage chemical carcinogenesis and their relevance to respiratory tract cancer" 1975
"Multistage carcinogenesis involves multiple genes and mutiple mechanisms" 1976
"Polynuclear aromatic hydrocarbons: Mechanisms, methods and metabolism. Eighth International Symposium" 1182
"Study of the carcinogenic mechanism for polycyclic aromatic hydrocarbons - extended bay region theory and its quantitative model" 2013
Medroxyprogesterone
"The effect of medroxyprogesterone acetate on the hepatic drug-metabolizing enzymes in normal and protein-deficient female rats" 1649
Melanoma
"Toxic melanodermitis of Hoffman-Haberman" 1148
Membranes
"Specificity of cytochrome P-450 isoforms contained in endoplasmic reticulum membranes and nuclear membranes in relation to benzo(a)pyrene" 1851
Mercenaria
"Total hydrocarbons, polycyclic aromatic hydrocarbons and synthetic organic compounds in the hard shell clam Mercenaria, purchased at commercial seafood stores" 459
Mercenaria mercenaria
"Histopathology of Mercenaria mercenaria as an indicator of pollutant stress" 1024

Metabolic Activation
"Metabolic activation of polycyclic aromatic hydrocarbons by fish liver cytochrome P-450" 841
"The in vitro metabolic activation of nitro polycyclic aromatic hydrocarbons" 855
"Correlation of a bond reactivity index with carcinogenicity and metabolic activation of polycyclic aromatic hydrocarbons" 1616
"A quantum mechanical approach to the theory of cancer from polynuclear molecules. Metabolic activation and carcinogenicity of methylphenanthrenes" 1617
"Metabolic activation of procarcinogens to genotoxic products in cultured rat liver cells" 1645
"In-vitro systems to study organ and species differences in the metabolic activation of chemical carcinogens" 1494
"Metabolic activation and deactivation of mutagens by preparations of human lung parenchyma and bronchial tree" 1210
"Mutagenicity of quinones pathways of metabolic activation and detoxification" 1173
"Influence of dietary vitamin E and selenium on metabolic activation of chemicals to mutagens" 1176
"Metabolic activation of selected aromatic amines and polycyclic hydrocarbons by isolated subcellular fractions of Drosophila melanogaster" 942
"The formation of 9-hydroxychrysene-1,2-diol as an intermediate in the metabolic activation of chrysene" ... 914
"Metabolic activation and inactivation of benzo(a)pyrene in GMK (green monkey kidney) primary culture cells. Characterization of enzyme activities with the use of inhibitors" 975
"Metabolic activation of chrysene comparative studies with rodent and human skin" 1977
"Comparative studies of the metabolic activation of chrysene in rodent and human skin" 1978
"Polycyclic aromatic hydrocarbons: metabolic activation to ultimate carcinogens" 1929
"Effect of thiamin deprivation on the in vitro metabolic activation of benzo(a)pyrene" 1959
"Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer" 1938
Metabolic Conversion
"Biotransformation of aromatics: metabolic conversion of nitrogen-containing derivatives of benzo(a)pyrene" 1023
Metabolic Pathways
"Multiple metabolic pathways for the mutagenic activation of 3-nitrobenzo(a)pyrene" 1175
Metabolic Products
"New detector for toxic metabolic products" 219

Metabolism

"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417
"A comparison of the intercalative binding of non-reactive benzo[a]pyrene metabolites and metabolite model compounds to DNA" 839
"A comparison of the DNA intercalative binding of bay versus K region metabolites of benzo[a]pyrene" 840
"A multisample apparatus for kinetic evaluation of skin penetration in vitro: the influence of viability and metabolic status of the skin" 1381
"A comparative study of the metabolism of 6-methylbenzo(a)pyrene and benzo(a)pyrene by rat liver microsomes" 1332
"A note on the predominance of non-K-region metabolites of phenanthrene found in bony fishes" 1008
"A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems" 1923
"Activating and detoxifying metabolism of benzo(a)pyrene in the isolated perfused rat lung" 1433
"Adrenal mediation of the effects of acute ethanol on benzo(a)pyrene metabolism" 1114
"Adrenal mediation of ethanol's inhibition of benzo[a]pyrene metabolism" 1115
"Ah receptor in primate liver: binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin and carcinogenic aromatic hydrocarbons" 1696
"Alterations in benzo(a)pyrene metabolism in skin and liver after hexachlorobenzene exposure" 1596
"Analogous patterns of benzo[a]pyrene metabolism in human and rodent cells" 1848
"Assimilation and metabolism of polycyclic aromatic hydrocarbons by vegetation: An approach to this controversial issue and suggestions for future research" 284
"Benzo(a)pyrene metabolism in hepatic microsomes from female DA rats with a genetic sparteine oxidation deficiency" 1832

Metabolism (cont)
"Benzo(a)pyrene and 6-nitrobenzo(a)pyrene metabolism in human and rodent microsomes and tissue culture" 1850
"Benzo(a)pyrene metabolism in hepatic microsomes from feral and 3-methycholanthrene-treated southern flounder, Paralichthys lethostigma" 960
"Benzo(a)pyrene metabolism in mouse liver association of both 7,8-epoxidation and covalent binding of a metabolite of the 7,8 with the Ah locus" 1953
"Benzo(e)pyrene-induced alterations in the metabolic activation of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by hamster embryo cells" 1077
"Benzo[a]pyrene metabolism in human T 47D mammary tumor cells: evidence for sulfate conjugation and translocation of reactive metabolites across cell membranes" 1600
"Benzo[a]pyrene metabolism in marine fish and some analytical aspects of its metabolites" 998
"Benzo[a]pyrene metabolism and DNA adduct formation mediated by English sole liver enzymes" 1673
"Binding and metabolism of benzo(a)pyrene and 7,12-dimethylbenz(a)anthracene by seven purified forms of cytochrome P 450" 1991
"Biologically-active and chemically-reactive polycyclic hydrocarbon metabolites" 993
"Carcinogen metabolism and carcinogen-DNA adducts in human tissues and cells" 1341
"Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3-methylcholanthrene" 1766
"Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon" 1639
"Comparative benzo[a]pyrene metabolite patterns in fish and rodents" 974
"Covalent binding of BP-metabolites to DNA of cultured human hair follicle keratinocytes" 921
"Detection of the metabolism of polycyclic aromatic hydrocarbon derivatives to ultimate carcinogens during lipid peroxidation" 1231
"Determination of metabolites of xenobiotics in the bile of fish from polluted waterways" 944
"Development of biotoxicological tests for a better knowledge of the metabolism and synergistic effects of chemical pollutants" 1165
"Developmental control of the xenobiotic metabolizing enzyme system in the chick embryo" 1333
"Differences in pulmonary metabolism of benzo(a)pyrene in inbred mouse strains, using the isolated perfused lung" 1873

Metabolism (cont)
"Differences in mediated mutagenesis and polycyclic aromatic hydrocarbon metabolism in mammary cells from pregnant and virgin rats" 1624
"Differences in mediated mutagenesis and polycyclic aromatic hydrocarbon metabolism in mammary cells from pregnant and virgin rats" 1624
"Differential alteration of benzo(a)pyrene metabolism in skin and liver by hexachlorobenzene" 1598
"Distribution of organic soluble, sulfate, glucuronide and glutathione conjugates of benzo(a)pyrene (BaP) metabolites in human mammary tumor T 47D cells" 1602
"Dog pulmonary macrophage metabolism of free and particle-associated 14C-benzo(a)pyrene" 1117
"Dual-label high-performance liquid chromatographic assay for femtomole levels of benzo[a]pyrene metabolites" 135
"Effect of bile salts on rates of formation, accumulation, and export of mutagenic metabolites from benzo(a)pyrene produced by the perfused rat liver." 1442
"Effect of benzo(a)pyrene and its metabolites on the production of active oxygen species by rat leukocytes" .. 1283
"Effect of particulates on metabolism and mutagenicity of benzo[a]pyrene." 1105
"Effect of induction by DDT on metabolism and mutagenicity of benzo[a]pyrene" 1121
"Effect of vitamin A deficiency on pulmonary and hepatic in vitro metabolism of benzo(a)pyrene in rat" 892
"Effect of intratracheally instilled benzo(a)pyrene on the pulmonary and hepatic drug-metabolizing enzymes in normal and vitamin A deficient rats" 891
"Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes" 1904
"Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin" 1593
"Effects of cucurbitacin B and peonol on the metabolism of benzo(a)pyrene in the microsome of rat liver" 1388
"Effects of various organic solvent vehicles on benzo(a)pyrene metabolism in rabbit lung microsomes" 943
"Effects of a 6 fluorosubstituent on the metabolism of benzo(a) pyrene 7 8 dihydrodiol to bay-region diol epoxides by rat liver enzymes" 1019
"Effects of chronic ethanol consumption on benzo(a)pyrene metabolism and glutathione S-transferase activities in Syrian golden hamster cheek pouch and liver" 981
"Effects of benzo(a)pyrene metabolites from rat liver S9 fraction on sister chromatid exchange frequency of human lymphocytes" 2005
"Ellagic acid (EA) inhibits epidermal benzo(a)pyrene (BP) metabolism and 3-methylcholanthrene (MCA) skin carcinogenicity in BALB/c mice" 1638

Metabolism (cont)
"Ellagic acid: a potent naturally occurring inhibitor of benzo[a]pyrene metabolism and its subsequent glucuronidation, sulfation and covalent binding to DNA in cultured BALB/C mouse keratinocytes" 1640
"Embryotoxicity of benzo(a)pyrene and some of its synthetic derivatives in Swiss mice" 1088
"Epidermal benzo[a]pyrene metabolism and DNA-binding in Balb/C mice: inhibition by ellagic acid" 1637
"Evidence for polynuclear aromatic hydrocarbons in the diet of bottom-feeding fish" 393
"Excretion and metabolism of 1-nitropyrene in rats after oral or intraperitoneal administration." 1247
"Exposure of two species of deposit-feeding amphipods to sediment-associated (3H)benzo(a)pyrene: uptake, metabolism and covalent binding to tissue macromolecules" 1777
"Exposure of the hamster alimentary tract to benzo(a)pyrene metabolites produced in the nose" 884
"Fate of benzo(a)pyrene in the digestive tract. 1. Its disappearance" 1754
"Fate of benzo(a)pyrene in the digestive tract. 2. Appearance of metabolites" 1050
"Flow cytometric measurement of the metabolism of benzo(a)pyrene by mouse liver cells in culture" 1090
"Foreign-substance (xenobiotica) metabolism in the skin and human hair bulbs" 1597
"Formation and persistence of benzo(a)pyrene metabolite-DNA adducts" 1894
"Formation of benzo(alpha)pyrene metabolites and DNA adducts catalyzed by a rat liver mitochondrial monooxygenase system" 1672
"Genetic variation in cytochrome P-450 and xenobiotic metabolism in Drosophila-melanogaster" 1331
"Hormonal regulation of benzo[a]pyrene metabolism in human adrenocortical cell cultures" 1386
"Human endometrial cell-mediated mutagenesis of Chinese hamster V79 cells by metabolism of benzo(a)pyrene" 1290
"Human P1-450 gene sequence and correlation of mRNA with genetic differences in benzo[a]pyrene metabolism" 1415
"Identification of mutagenic metabolites of indeno[1,2,3-cd]pyrene formed in vitro with rat liver enzymes" 1785
"Identification of the DNA adduct formed by metabolism of 1,8-dinitropyrene in Salmonella typhimurium" 1067
"Identification of ring oxidized metabolites of 1-nitropyrene in the feces and urine of germfree F-344 rats" 1259
"Identification of the 11,12-dihydro-11,12-dihydroxy-benzo(a)pyrene as a major metabolite produced by the green alga, Selenastrum capricornutum" 958

Metabolism (cont)
"Impairment of xenobiotic metabolism in skin of mice chronically exposed to UV B radiation" 1201
"In vitro metabolism of N-methyldibenzo(c,g)carbazole a potent sarcomatogen devoid of hepatotoxic and hepatocarcinogenic properties" 1735
"In vivo metabolism of benz(a)anthracene by the polychaete Nereis virens" 1585
"In vivo metabolism of topically applied benzo[a]pyrene-4,5-oxide in neonatal rat skin" 1214
"In vivo metabolism, disposition and macromolecular binding of 1-nitro(14C)pyrene vapour-coated onto diesel particulates" 1081
"In-vivo metabolism of topically applied benzo(a)pyrene 4 5 oxide in neonatal rat skin" 1216
"In-vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs" 1911
"Increases in benzo(a)pyrene metabolism and cytochrome P-4506 content in alveolar type II cells isolated from tetrachlorodibenzo- dioxin treated rabbits" 1226
"Individual variation in benzo(a)pyrene metabolism and its role in human cancer" 2083
"Indole-3-carbinol protects against covalent binding of benzo[a]pyrene and N-nitrosodimethylamine metabolites to mouse liver macromolecules" 1852
"Inducibility of human hair follicle carcinogen metabolism by a coal tar containing-shampoo" 1641
"Induction of rabbit hepatic microsomal cytochrome P-450 by imidazole: enhanced metabolic activity and altered substrate specificity" 1445
"Induction of MFO in mullet liver microsomes: Effect of NADPH on benzo(a)pyrene metabolite distribution at 25 and 37 degree C" 999
"Influence of phagocytosis of benzo(a)pyrene (BaP) coated ferric oxide (Fesub 2Osub 3) on benzo(a)pyrene metabolism by pulmonary alveolar macrophages (PAM)" 1319
"Influence of routes of substrate administration on covalent binding and metabolism of benzo(a)pyrene in perfused rat lung" 1280
"Influence of chlordecone and mirex on benzo(a)pyrene metabolism" 1189
"Inhibition of benzo(a)pyrene and benzo(a)pyrene-trans-7,8-diol metabolism and DNA binding in mouse lung explants by ellagic acid" 1232
"Interindividual differences in the metabolism of xenobiotics" 1181
"Interindividual variation in the DNA binding of chemical genotoxins following metabolism by human bladder and bronchus explants" 1196
"Interrelationships of cholesterol and hydrocarbon metabolism in the shore crab, Carcinus-maenas" 985

Metabolism (cont)
"Investigation of absorption, metabolism kinetics and DNA-binding of intratracheally administered benzo[a]pyrene in the isolated, perfused rat lung: a comparative study between microcrystalline and particulate adsorbed benzo[a]pyrene"..... 1934
"Isolation and characterization of benzo(a)pyrene metabolites formed in vivo by juvenile and adult English Sole" 1031
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"Metabolic activation of the N-heterocyclic carcinogen, 7H-dibenzo(c,g)carbazole" 1891
"Metabolic mechanisms of long-term effects of environmental chemical factors - carcinogneic, embryotic, gonadotoxic, mutagenic and gerontologic effects" 1599
"Metabolic activation pathways of cyclopenta-fused PAH (polycyclic aromatic hydrocarbons) and their relationship to genetic and carcinogenic activity" 1660
"Metabolism of benzo(a)pyrene in rat pleural mesothelial cells in culture" 1865
"Metabolism of benzo[a]pyrene by mouse brain microsomes during perinatal development" 1799
"Metabolism of benzo(a)pyrene by variant mouse hepatoma cells" 1830
"Metabolism and specific benzopyrene metabolite modification of DNA in early S by human lung epithelial and fibroblast cells leading to the expression of an abnormal phenotype" 1610
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
"Metabolism of nitrated polynuclear aromatic hydrocarbons in living organisms" 1574
"Metabolism of acridine by rat-liver enzymes" 1646
"Metabolism of foreign substances in human skin and hair follicles" 1595
"Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites" 1286
"Metabolism of 1-nitropyrene by cultured rabbit alveolar macrophages and respiratory tract tissues" 1456
"Metabolism of 1-nitropyrene in germ-free and conventional rats" 1458
"Metabolism of benzo(a)pyrene-7 8 dihydrodiol and benzo(a)pyrene-7 8 dihydrodiol 9 10-epoxide to protein binding products and glutathione conjugates in isolated rat hepatocytes" 1423

Metabolism (cont)
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Metabolism of 1,8-dinitropyrene by Salmonella typhimurium" 1140
"Metabolism and genotoxicity of 1-nitropyrene" 1085
"Metabolism of chemical carcinogens" 1229
"Metabolism of benzo(a)pyrene by cytochrome P-450, form 6, in rabbit lung" 1239
"Metabolism, DNA repair and mutagenicity of 1-nitropyrene in the human hepatoma cell line HepG2" 1250
"Metabolism and urinary excretion of mutagenic metabolites of benzo[a]pyrene in C57 and DBA mice strains" 1153
"Metabolism of a model environmental carcinogen by bivalve mollusks" 1066
"Metabolism of benzo[a]pyrene by cultured rat and human buccal mucosa cells" 1074
"Metabolism of 1,8-dinitropyrene in Salmonella Typhimurium" 1141
"Metabolism of 1-nitro[14C]pyrene in vivo in the rat and mutagenicity of urinary metabolites" 1084
"Metabolism of 1-nitro[U-4,5,9,10-14C]pyrene in the F344 rat" 1256
"Metabolism of carcinogens by prostagladin H synthase" .. 1261
"Metabolism and enterohepatic circulation of benzo(a)pyrene-4 5-epoxide in the rat" 1262
"Metabolism and macromolecular covalent binding of [14C]-1-nitropyrene in isolated perfused and ventilated rat lungs" 1118
"Metabolism of 1-(14C)nitropyrene in respiratory tract tissue of rats exposed to diesel exhaust" 1119
"Metabolism of 1-[14C]nitropyrene in isolated perfused rat livers" 1120
"Metabolism of benzo[a]pyrene by cultured human hepatocytes from multiple donors" 1625
"Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis" 1193
"Metabolism and effects of organic compounds in animals" 894
"Metabolism of uniformly carbon-14-labeled 1 nitropyrene in the F-344 rat" 895
"Metabolism of xenobiotics in the human adrenal gland" .. 1706
"Metabolism of benzo(a)pyrene by green algae" 936
"Metabolism of nitropolycyclic aromatic hydrocarbons by human intestinal microflora" 869
"Metabolism of dibenz(a,j)acridine by Sprague-Dawley rat liver microsomes" 1036
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767

Metabolism (cont)
"Metabolism of phenanthrene by the rat and the guinea pig" 956
"Metabolism of 1-nitropyrene and 6-nitrobenzo(a)pyrene by intestinal microflora" 866
"Metabolism of triphenylene by liver microsomes from control, phenobarbital(PB)-treated and 3-methylcholanthrene(MC)-treated rats" 1928
"Metabolism of the carcinogen 7-methylbenz(c)acridine in the rat" 2003
"Metabolism of benzo(a)pyrene and excretion of metabolites by control rats and rats given pretreatment with enzyme inducers, phenobarbital and 3-methylcholanthrene" 1964
"Microbial metabolism of pyrene" 1163
"Microbial content and metabolic activities in the Syncrude tailings pond" 2187
"Microsomal metabolism of 3,4-benzopyrene. I. Accelerated chromatographic separation and inline identification of the metabolites" 1882
"Microsomal metabolism of 3,4-benzo(a)pyrene. II. Quantitative determination of 7,8-dihydroxy-7,8-dihydrobenzo(a)pyrene" 1883
"Microsomal monooxygenase system in frog livers" 984
"Modifications of microsomal and nuclear fractions by butylated hydroxyanisole and its effect on benzo(a)pyrene metabolites binding to macromolecules" .. 1221
"Modulation of benzo(a)pyrene metabolism by dietary sulfur amino acids" 1980
"Monooxygenase induction by various xenobiotics and its influence on the rat liver microsomal metabolite profile of benz[a]anthracene" 924
"Mutagenic activation of biliary metabolites of 1-nitropyrene by intestinal microflora" 1630
"Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites" 1662
"Neonatal chlordecone alteration of the ontogeny of sex-differentiated hepatic drug and xenobiotic metabolizing enzymes" 1498
"Nitroaromatics--carcinogenicity and metabolism (rats)" . 1260
"Participation of cytochrome P-450 in reductive metabolism of 1-nitropyrene by rat liver microsomes" 1808
"Patterns of benzo[a]pyrene metabolism by varied species, organs, and developmental stages of fish" 1015
"Periodic depuration of anthracene metabolites by rainbow trout" 957
"Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice" 1484
"Polychlorinated biphenyl phenoclor DP-6 and metabolism of xenobiotics effects of a hyperlipidic diet" 1721

Metabolism (cont)
"Polycyclic aromatic hydrocarbons in rock oysters: a baseline study" 355
"Polycyclic aromatic hydrocarbon binding macromolecules. Identification, characterization and temperature activation of a 4.5 S binding nucleoprotein" 1864
"Polynuclear aromatic hydrocarbons: Mechanisms, methods and metabolism. Eighth International Symposium" 1182
"Position-specific induction of benzo(a)pyrene metabolism by 3-methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish" 1837
"Prostaglandin endoperoxide synthetase and the activation of benzo(a)pyrene to reactive metabolites in vivo in guinea pigs" 1294
"Quantitative microspectrofluorimetry study of the "blocking effect" of 6-aminochrysene on benzo[a]pyrene metabolism using single living cells" 951
"Quantum chemical and other theoretical studies of carcinogens, their metabolic activation and attack on DNA constituents" 1443
"Regional differences in adrenocortical benzo[a]pyrene metabolism in guinea pigs" 1249
"Reproductive toxicity associated with endometrial cell mediated metabolism of benzo[a]pyrene: a combined in vitro, in vivo approach" 1404
"Role of metabolism in benzo(a)pyrene carcinogenesis" ... 1849
"Role of cytochrome P-448 in 3,4-benzo(a)pyrene metabolism in inbred mouse liver microsomes, induced by different xenobiotics" 1611
"Role of metabolism on the mutagenicity of nitro arenes" 1582
"Secondary metabolites of benzo[a]pyrene: 3-hydroxy-trans-7,8-dihydro-7,8-dihydroxybenzo[a]pyrene, a biliary metabolite of 3- hydroxybenzo[a]pyrene in the rat" 997
"Selenium modified mutagenicity and metabolism of benzo[a]pyrene in an S9-dependent system" 1925
"Skin penetration and metabolism of topically applied chemicals in six mammalian species, including man: an in vitro study with benzo[a]pyrene and testosterone" 931
"Specificity of four forms of cytochrome P 450 in the metabolic activation of several aromatic amines and benzo(a)pyrene" 2012
"Stereoselective metabolism and activations of polycyclic aromatic hydrocarbons" 2015
"Stimulation of the production of mutagenic phenolic benzo(a)pyrene metabolites by fasting in perfused rat liver" 1277
"Study of metabolism of benzo(a)pyrene in cultures of rat pleural mesothelial cells" 1866
"The metabolism of genotoxic substances" 1518
"The formation of mutagenic derivatives of benzo[a]pyrene by peroxidising fatty acids" 1589

Metabolism (cont)
"The in vitro metabolism of benzo[a]pyrene by polychlorinated and polybrominated biphenyl induced rat hepatic microsomal monooxygenases" 1329
"The metabolism of 9,10-dimethylanthracene by rat liver microsomal preparations" 1499
"The metabolism of the carcinogen 7 methylbenz(c)acridine by hepatocytes isolated from untreated and induced rats" 1128
"The metabolism of benzo(a)pyrene by the lungs of asbestos exposed rats" 1137
"The induction and inhibition of benzo(a)pyrene metabolism in human epidermal keratinocytes and dermal fibroblasts" 882
"The effects of fractionated thermally oxidized corn oil on drug- metabolizing enzyme systems in the rat" 1732
"The role of rabbit P-450 1 and related enzymes in the metabolism of benzo(a)pyrene" 909
"The effect of low boiling mineral oil fractions on the metabolism and genotoxic activity of benzo(a)pyrene" 1944
"The binding of benzo(a)pyrene metabolites to chromosomal subfractions" 1936
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
"The effects of a cocarcinogen, ferric oxide, on the metabolism of benzo(a)pyrene in the isolated perfused lung" 1968
"The metabolism of dibenz(a,j)acridine in the isolated perfused lung" 1969
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962
"Tissue-specific DNA adduct formation in mice treated with the environmental carcinogen, 7H-dibenzo[c,g]carbazole" 1842
"Toxicokinetics and metabolism of benz(a)pyrene in the Black Sea Mussels and its accumulation in the mussel body" 2024
"Toxicokinetics and metabolism of benz(a)pyrene in Black Sea mussels accumulation of matter in the body of the mollusk" 2025
"Toxicokinetics and metabolism of benzo(a)pyrene in the Black Sea mussel" 2026
"Tumor-initiating activity mutagenicity and metabolism of methylated anthracenes" 1492
"Tumor-initiating activity, mutagenicity, and metabolism of methylated anthracenes" 1503
"Tumorigenicity and metabolism of 1-nitropyrene in A/J mice" 1258

Metabolism (cont)
"Use of plant cell cultures to study the metabolism of environmental chemicals" 1819
"Variations among untreated rabbits in benzo(a)pyrene metabolism and its modulation by 7,8-benzoflavone" 1768
"Vitamin K1 as a modulator of benzo(a)pyrene metabolism as measured by in vitro metabolite formation and in vivo DNA-adduct formation" 1412
"Vitamin A status and metabolism of benzo[a]pyrene in the rat" 1355
"Xenobiotic metabolism in the maternal-placental-fetal unit: implications for fetal toxicity" 1722
"Xenobiotic metabolism in the maternal-placental-fetal unit: implications for fetal toxicity" 1722
"Xenobiotic metabolism and mutation in a human lymphoblastoid cell line" 1187
"Xenobiotic metabolism in individual rabbit hepatocytes" 968
Metabolites
"Comparison of six different reversed-phase HPLC columns used to separate benzo(a)pyrene metabolites" 190
"Identification of polycyclic aromatic hydrocarbon metabolites and DNA adducts in mixtures using fluorescence line narrowing spectrometry" 1821
"Identification of polycyclic aromatic hydrocarbon metabolites in mixtures using fluorescence line narrowing spectrometry" 1822
Metal Ions
"Interaction of certain metal ions with aryl hydrocarbon hydroxylase of rat lung microsomes" 1071
Metal Molding and Casting
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216
Metal Oxides
"Photodegradation of phenanthrene on metal oxides and fly ashes" 653
"Photodegradation of phenanthrene on metal oxides and fly ashes" 655
Methanogenesis
"Effects of organic pollutants on methanogenesis, sulfate reduction and carbon dioxide evolution in salt marsh sediments" 366
Methemoglobinemia
"Effects of a low-level long-term loading with environmental pollutants on the immune system and methemoglobinemia" 2092
Methylanthracene(s)
"Tumor-initiating activity mutagenicity and metabolism of methylated anthracenes" 1492
"Tumor-initiating activity, mutagenicity, and metabolism of methylated anthracenes" 1503

Methylation
"Effect of methylation on the conformer stability and reactivity of the bay-region diol-epoxides of chrysene" . 1868
Methylcholanthrene
"Metabolism of benzo(a)pyrene and excretion of metabolites by control rats and rats given pretreatment with enzyme inducers, phenobarbital and 3-methylcholanthrene" 1964
"Protection against toxic redox cycles between benzo(a)pyrene-3 6-quinone and its quinol by 3 methylcholanthrene-inducible formation of the quinol mono and diglucuronide" 1524
Methylphenanthrene(s)
"A quantum mechanical approach to the theory of cancer from polynuclear molecules. Metabolic activation and carcinogenicity of methylphenanthrenes" 1617
"Direct determination of the phenanthrene and methylphenanthrene isomer distribution in crude oils by multidimensional capillary GC" 170
"Observation of the relative distribution of monomethylphenanthrenes on a series of sedimentary rocks from Mahakam delta (Indonesia)" 305
"Polycyclic aromatic compounds in curing smoke" 601
Micellar Solutions
"Benzo(a)pyrene uptake from micellar solutions by everted rat intestinal sacs" 1815
Microbial Degradation
"Microbial degradation of alkyl carbazoles in Norman Wells crude oil" 291
"Microbial degradation of alkyl carbazoles in Norman Wells crude oil" 290
Microbial Metabolism
"Microbial metabolism of polycyclic aromatic hydrocarbons" 865
Microclimatic Conditions
"Microclimatic conditions in a medium power station and their effects on human organism" 2081
Microcomputer
"Microcomputer-assisted retention prediction system in reversed-phase HPLC" 95
Microinjection
"A reliable, efficient, microinjection apparatus and methodology for the in vivo exposure of rainbow trout and salmon embryos to chemical carcinogens" 1110
Micronucleus Test
"Sex difference in the micronucleus test" 1901
"The effects of inducers and inhibitors on the micronucleus test with benzene benzo(a)pyrene and cyclophosphamide" 1340

Microorganisms
"2-stage mineralization of phenanthrene by estuarine enrichment cultures" 323
"Bacterial oxidation of acenaphthylene and acenaphthene" 479
"Bacterial mutagenicity of aceanthrylene: a novel cyclopenta-fused polycyclic aromatic hydrocarbon of low molecular weight" 1476
"Biodegradation of topped Kuwait crude" 260
"Biooxidation of 9,10-dihydroanthracene by a mixed bacterial population" 468
"Degradation of some polycyclic aromatic hydrocarbons by a plasmid- containing flavobacterium species" 294
"Distribution and microbial degradation of the carcinogenic hydrocarbon benzo(a)pyrene in open waters of the Baltic Sea" 515
"Distribution and microbial oxidation of carcinogenic hydrocarbons (as illustrated by benzo(a)pyrene) in some regions of the World's Oceans" 516
"Effects of suspended solids on the biotransformation of acenaphthene" 325
"Effects of four aromatic organic pollutants on microbial glucose metabolism and thymidine incorporation in marine sediments" 854
"Favorable interaction between photooxidation and bacterial degradation of anthracene in sea water" 469
"Ground water pollution by organic solvents and their microbial degradation products" 254
"Influence of microbial adaptation on the fate of organic pollutants in groundwater" 542
"Microbial effect on the degradation of polycyclic aromatic hydrocarbons in soils irrigated with wastewater" 391
"Microbial degradation of selected aromatics in a hazardous waste site" 383
"Microbial metabolism of pyrene" 1163
"Microbial content and metabolic activities in the Syncrude tailings pond" 2187
"Microbiodegradation of ocean oil pollutants. Part III. Degradation of petroleum hydrocarbons by microorganisms in the ocean" 423
"Numerical taxonomy of phenanthrene-degrading bacteria isolated from the Chesapeake Bay" 536
"Polycyclic Aromatic Hydrocarbons" 1657
"Potential transformation rates for polynuclear aromatic hydrocarbons (PNAHs) in surficial estuarine sediments" .. 488
"Rates of microbial degradation of petroleum components as determined by computerized capillary gas chromatography and computerized mass spectrometry" 439
"Reproducibility of microbial mutagenicity assays 1. Tests with Salmonella-typhimurium and Escherichia-coli using a standardized protocol" 1244

Microorganisms (cont)
"Role of bacteria in removal of benzo(a)pyrene from byproduct coking industry wastewater" 2208
"Selective aerobic degradation of methyl-substituted polycyclic aromatic hydrocarbons in petroleum by pure microbial cultures" 244
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401
"The distribution of dermal tumorigens in coal liquids: relationship of tumorigenicity and microbial mutagenicity" 1382
Microparticulate
"Detection of polycyclic aromatic hydrocarbons at different natural microparticulate level by laser microprobe mass analysis (LAMMA)" 204
Micropollutant Balances
"Organic micropollutants' balances on watersheds of Northeastern Bavaria" 481
Microsomal Activation
"Comparison between photo-induction and microsomal activation of polycyclic hydrocarbons with different oncogenic potency" 1748
Microsomal Assay
"Pluronic polyol F-127 as an effective vehicle for petroleum hydrocarbons in the Salmonella and microsomal assay" 1564
Microsomal Cytochromes
"Induction of microsomal cytochromes in the rat liver after intravenous administration of emulsions of perfluoro-organic compounds" 1683
Microsomal Enzyme Activity
"Effect of some environmental pollutants on microsomal enzyme activity and drug elimination" 994
Microsomal Fractions
"Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung" 983
Microsomal Membranes
"Catalytic activity of cytochrome P-448 in native and reconstituted microsomal membranes" 1326
Microsomal Metabolism
"Involvement of cytochrome b5 in the hepatic microsomal metabolism of benzo(a)pyrene" 1219
"Oxidative microsomal metabolism of 1-nitropyrene to DNA-binding derivatives" 1233
"Strain differences in microsomal xenobiotic metabolism by adrenocortical inner and outer zones" 1180
Microsomal Metabolites
"Cyclopenta-fused isomers of benz(a)anthracene identification of major microsomal metabolites" 1823

Microsomal Monooxygenase
"Microsomal monooxygenase system in frog livers" 984
Microsomal Oxidation
"Effect of complexes of carcinogenic chemical compounds on the microsomal oxidation system of workers in graphite manufacture" 2106
Microsomal Proteins
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
Microsome(s)
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Benzo[a]pyrene metabolism in marine fish and some analytical aspects of its metabolites" 998
"Demonstration of microsomal oxygenation of the benzo ring of 6-nitrobenzo(a)pyrene by thin-layer chromatography" 156
"Formation and removal of benzo[a]pyrene metabolites--DNA adducts in cultured normal human fibroblasts using a microsome-activating system" 1438
"In vitro and in vivo activation of oxidative drug metabolism by flavonoids" 1501
"Induction of rabbit hepatic microsomal cytochrome P-450 by imidazole: enhanced metabolic activity and altered substrate specificity" 1445
"Microsomal metabolism of 3,4-benzopyrene. I. Accelerated chromatographic separation and inline identification of the metabolites" 1882
"Microsomal metabolism of 3,4-benzo(a)pyrene. II. Quantitative determination of 7,8-dihydroxy-7,8-dihydrobenzo(a)pyrene" 1883
"Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo(a)pyrene and 3,3- dimethyl-1-phenyltriazene" 1392
"Microsome-mediated reactions of phenols of polycyclic hydrocarbons with DNA." 912
"Oxidative microsomal metabolism of 1-nitropyrene to DNA-binding derivatives" 1233
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Petroleum distillates suppress in vitro metabolic activation: higher [S-9] required in the Salmonella/microsome mutagenicity assay" 1160
"Salmonella microsome mutagenicity of monochloro derivatives of some dicyclic tricyclic and tetracyclic aromatic hydrocarbons" 1539
"Salmonella/microsome mutagenicity of monochloro derivatives of some di-, tri- and tetracyclic aromatic hydrocarbons" 1536

Microsome(s) (cont)
"Salmonella/microsome mutagenicity of 1-nitropyrene-2-ol, a nitropyrene phenol formed in the photolysis of 1-nitropyrene" 1540
Microspectrofluorometry
"Quantitative microspectrofluorometry and pharmacokinetics single living cells application to the study of factors influencing the kinetics of the cell detoxification system" 1817
"Quantitative microspectrofluorimetry study of the "blocking effect" of 6-aminochrysene on benzo[a]pyrene metabolism using single living cells" 951
Microwave Carcinogenesis
"Evidence for microwave carcinogenesis in vitro" 1078
Migration
"Migration of wood-preserving chemicals in contaminated groundwater in a sand aquifer at Pensacola, Florida" 313
MINDO/3 Calculations
"MINDO/3 calculations of carcinogenic activities of polycyclic hydrocarbons" 1676
"MINDO/3 calculations of carcinogenic activities of polycyclic (aromatic) hydrocarbons" 1619
Mineral Fibers
"Use of the micronuclear test as a rapid method for detection of potential blastomogenicity of asbestos-containing and other mineral fibers" 1955
Mineral Fibres
"Binding of environmental carcinogens to asbestos and mineral fibres" 666
Mineral Oils
"Determination of polycyclic aromatic hydrocarbons (IPA) in mineral oils and similar products" 630
"IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 33: Polynuclear Aromatic Compounds, Pt. 2: Carbon Blacks, Mineral Oils and Some Nitroarene Compounds" 2222
"Cytogenetic analysis of peripheral blood lymphocytes in glass workers occupationally exposed to mineral oils" ... 2150
"Mutagenic/carcinogenic hazards in a cold-rolling steel plant exposed to mineral oils: environmental monitoring phase" 2119
Mineral Water Ordinance
"Original purity - demands and criteria according to the new mineral water and table water ordinance" 2228
Mineralization
"2-stage mineralization of phenanthrene by estuarine enrichment cultures" 323
"Degradation and mineralization of the polycyclic aromatic hydrocarbons anthracene and naphthalene in intertidal marine sediments" 243

Mining Workers
"Chromosomal abnormalities in soft coal open-cast mining workers" 2151
Mitochondria
"Activation of benzo(a)pyrene by mitochondria in the mouse liver" 1751
Mitogen
"Relation between formation of adducts to DNA, induction of DNA repair and release of DNA from cells in benzo(a)pyrene-treated human mitogen-stimulated lymphocytes. Effect of duration of culture on the conditions for assessment of unscheduled DNA synthesis" 1909
Mitomycin C
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
Mitoxantrone
"Comparison of in vitro prediction and clinical outcome for two anthracene derivatives: mitoxantrone and bisantrene" 1502
Mixed Function Oxidase
"Correlation between mixed function oxidase enzyme induction and genotoxicity in-vivo" 1334
"Effects of environmental and experimental inductive factors on the mixed-function oxidase activities of toads" 875
"Mixed-function oxidases in fish their role in adaptation to pollution" 948
"Effects of ingestion of Hibernia and Prudhoe Bay crude oils on hepatic and renal mixed-function oxidase in nestling herring gulls (Larus-argentatus)" 954
Mixed Function Oxygenase
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
"Mixed-function oxygenases as biological monitors around petroleum hydrocarbon development sites: potential for induction by diesel and other drilling mud base oils containing reduced levels of polycyclic aromatichydrocarbons" 991
"Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete Nereis virens" 900
"The interplay between mixed-function oxygenases and DNA alteration under PAH pollution" 1045
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962

Mobility
"Mobility of organic and inorganic constituents from energy and combustion-related wastes under codisposal conditions" 2192
Mobilization
"Mobilization of azaarenes from wastewater treatment plant biosludge" 2200
Model
"Model analysis of the measured concentration of organic gases in the Norwegian Arctic" 345
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Statistical models for the accumulation of PAH, chlorinated hydrocarbons and trace metals in epiphytic Hypnum cupressiforme" 509
Model Coal Piles
"Characterization of organic compounds in simulated rainfall runoffs from model coal piles" 789
Model Membrane Systems
"Studies of the effect of toxic coal particles on model membrane systems. Progress report July 1, 1980-August 31,1981" 949
Modeling
"Approaches to modeling the fate and effects of toxicants in pelagic systems" 262
"Spatial and temporal distribution of chemical substances in lakes: modeling concepts" 343
Modeling Studies
"Intra and intermolecular modeling studies of polycyclic aromatic hydrocarbons" 1384
Molecular Biology
"Molecular biology of environmental aromatic hydrocarbons. Progress report, September 1983 - July 1984" 1037
Molecular Connectivities
"Relationship between gas chromatographic retention indices and molecular connectivities of nitrated polycyclic aromatic hydrocarbons" 49
Molecular Pathology
"Some problems of molecular pathology in chemical carcinogenesis. I. Interaction of deoxyribonucleic acid with polycyclic compounds" 903
Molecular Recognition
"Molecular-shape recognition of polycyclic aromatic hydrocarbons in reversed phase liquid chromatography" ... 92
Molecular Spectrometry
"Development of laser-based molecular spectrometric methods for polycylic aromatic hydrocarbons in environmental sciences. Progress report September 1, 1981 - April 1, 1984. ERDA/400104" 216

Molecular Structure
"A model based on molecular structure descriptors for predicting mutagenicity of organic compounds" 1212
Molecular Topology
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
Mollusk
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Effects of polynuclear aromatic hydrocarbons on lysosomal membranes in mollusks" 978
"Metabolism of a model environmental carcinogen by bivalve mollusks" 1066
"Toxicokinetics and metabolism of benz(a)pyrene in Black Sea mussels accumulation of matter in the body of the mollusk" 2025
Monitoring
"Air monitoring of aromatic polycyclic hydrocarbons in Ascoli Piceno" 396
"Ambient air monitoring study of residential woodburning in Mio, Michigan" 628
"Contained dredged material for open ocean disposal" 2180
"Current trends in the biological monitoring of exposure to carcinogens" 2163
"Design and operation of a real-time polynuclear aromatic hydrocarbon (PAH) monitor for the analysis of combustion products formed in the incineration of Navy colored smoke compositions" 722
"Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants" 2167
"Experience in monitoring domestic water sources and process waters for trace organics" 2175
"Industrial hygiene monitoring of gaseous, liquid and particulate matter releases at the Catlettsburg, Kentucky H-coal facility: Results and evaluation" 2171
"Investigative air monitoring study at a burning coal refuse pile in Oak Hill, West Virginia" 773
"Lake Mashu as a background pollution monitoring station" 437
"Methods of monitoring occupational exposure in aluminum smelters" 2152
"Monitoring sludge-amended agricultural soils" 271
"Monitoring polycyclic aromatic hydrocarbons at a coal gasification facility: Preliminary results" 692
"Monitoring method for airborne polycyclic aromatic hydrocarbons" 195

Monitoring (cont)
"Monitoring polycyclic aromatic hydrocarbons. An environmental application of fuzzy c-varieties pattern recognition" 70
"Monitoring exposure to polynuclear aromatic compounds via room temperature phosphorescence from solid substrates" 2168
"Monitoring of domestic and imported foods for contaminants with special reference to pesticides, mycotoxins and polycyclic aromatic hydrocarbons" 2137
"Mutagenic/carcinogenic hazards in a cold-rolling steel plant exposed to mineral oils: environmental monitoring phase" 2119
"Nick translation - a new assay for monitoring DNA damage and repair in cultured human fibroblasts" 1880
"Personnel and plant area monitoring at the University of Minnesota Duluth gasifier. ORNL/TM-8551" 2063
"Plants as monitoring samplers of airborne PAH" 29
"Polycyclic aromatic hydrocarbons in the aquatic environment: occurrence and biological monitoring" 416
"Practical evaluation and fundamental studies of surface-enhanced Raman spectroscopy for monitoring organic chemicals. Annual report for the period ending December 31, 1984" 133
"Preliminary findings of the priority pollutant monitoring project of the Nationwide Urban Runoff Program" 270
"Report of the instrumentation panel on future research needs" 2169
"Some recommendations for siting ambient monitors at synfuel plants" 314
Monkey Kidney Cells
"Cytotoxicity of benzo(a)pyrene diol epoxide is associated with premature arrest of nascent strand elongation in serum-stimulated monkey kidney cells" 1937
Monoclonal Antibodies
"Quantitation of exposure to benzo[a]pyrene with monoclonal antibodies" 2139
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
Monocytes
"Enhanced formation of benzo(a)pyrene:DNA adducts in monocytes of patients with a presumed predisposition to lung cancer" 1802
"Enhanced formation of benzo(a)pyrene-DNA adducts in monocytes of patients with a presumed genetic risk for lung cancer" 1681
"Interindividual differences in benzo(a)pyrene activation by lymphocytes, monocytes, and human skin as an indication of potential risk" 1827

Monooxygenase
"Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase." . 946
"Presence of cytochrome P-450-dependent monooxygenase in intimal cells of the hog aorta" 838
"The in vitro metabolism of benzo[a]pyrene by polychlorinated and polybrominated biphenyl induced rat hepatic microsomal monooxygenases" 1329
"Xenobiotic and endobiotic induction of mixed function monooxygenases in carp Cyprinus-carpio" 1005
Monooxygenase Activity
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858
"Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture" .. 969
"Variation of hepatic aryl hydrocarbon hydroxylase (AHH) and 7-ethoxyresofurin O-deethylase (7-ERD) activities in marine fish from Maine: Evidence that monooxygenase activities of only a few species are induced by environmental exposure to PAH type compounds" 856
Monoxygenase Induction
"Monooxygenase induction by various xenobiotics and its influence on the rat liver microsomal metabolite profile of benz[a]anthracene" 924
Mortality
"Cancer mortality among workers in a thermoelectric power plant" 2055
"Effects of temperature, feeding and acridine on development and mortality of eggs and nauplii of Diaptomus clavipes Schacht" 1183
Mosquito Fish Liver
"DNA damage by benzo[a]pyrene in the liver of mosquito fish Gambusia affinis" 852
Moss
"Concentrations of micropollutants (PAH, chlorinated hydrocarbons and trace metals) in the moss Hypnum cupressiforme in and around a small industrial town in Southern Finland" 332
"Polyaromatic hydrocarbons, chlorinated hydrocarbons, and trace metals in moss samples from Iceland" 511
Mould Lubricants
"Occupational exposure to mould lubricants" 2117
Mountain Resort
"Ambient total suspended particulate matter and benzo(a)pyrene concentrations from residential wood combustion in a mountain resort community" 421
Mouse
"6-Nitrochrysene is a potent tumorigen in newborn mice" . 1146
"Adduct formation in hemoglobin of the newborn mouse exposed in utero to benzo[a]pyrene" 1004

Mouse (cont)
"Alkylation of hemoglobin in mouse after exposure to benzo(a)pyrene" 1858
"Benzo(a)pyrene and gamma-radiation-induced genetic damage in mice can be prevented by gamma-linolenic acid but not by arachidonic acid" 1202
"Benzo(a)pyrene-induced genetic damage in mice can be prevented by evening primrose oil" 1203
"Beta Carotene as an inhibitor of benzo(a)pyrene and mitomycin C induced chromosomal breaks in the bone marrow of mice" 1757
"Carcinogenic effects of river sediment extracts in fish and mice" 1109
"Differences in pulmonary metabolism of benzo(a)pyrene in inbred mouse strains, using the isolated perfused lung" 1873
"Differential immunotoxic effects of the environmental chemical benzo[a]pyrene in young and aged mice" 1549
"Effect of acute benzo(a)pyrene exposure on pulmonary defense mechanisms in the mouse" 1834
"Effect of dietary clofibrate on epoxide hydrolase activity in tissues of mice" 1544
"Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action" 1199
"Effects of a strong and a weak carcinogen on murine alpha/beta interferon production in vivo." 1702
"Effects of chlorinated dibenzofuran and dioxin on concentration and pattern of chlorobiphenyls and activity of benzo(a)pyrene hydroxylation in mice" 1648
"Experimental ovarian toxicity following intraovarian injection of benzo(a)pyrene or its metabolites in mice and rats" 1915
"Genetics of susceptibility of mice to inhibition of interferon induction by benzo-(a)-pyrene" 1309
"Immune competence and tumor susceptibility in various strains of mice following benzo(a)pyrene administration" 1113
"Immune cell changes after benzopyrene insult in utero (mice, rabbits)" 1948
"Immunosuppression by polycyclic aromatic hydrocarbons: a structure-activity relationship in B6C3F1 and DBA/2 mice" 1984
"Induction of papillomas with a high probability of conversion to malignancy" 1371
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767
"Mouse skin tumor-initiating activity of benz[e]aceanthrylene and benz[l]aceanthrylene in SENCAR mice" 1661

Mouse (cont)
"Murine strain differences in ovotoxicity following intraovarian injection with benzo(a)pyrene, (+)-(7R,8S)-oxide, (-)-(7R,8R)- dihydrodiol, or (+)-(7R,8S)-diol-(9S,10R)-epoxide-2" 1914
"Percutaneous absorption of [7.10-14C]benzo[a]pyrene and [7,12-14C]dimethylbenz[a]anthracene in mice" 1820
"Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary benzo[a]pyrene or 1,2-dimethylhydrazine" 1065
"Prostaglandins and mutagenesis: prevention and/or reversibility of genetic damage induced by benzo (a) pyrene in the bone marrow cells of mice by prostaglandin E1" 1759
"Quantifying adductive modification of hemoglobin from mice exposed to benzo(a)pyrene" 1857
"Species- and length of exposure-dependent differences in the benzo(a)pyrene:DNA adducts formed in embryo cell cultures from mice, rats, and hamsters" 1845
"Studies of benzo(a)pyrene carcinogenesis and DNA binding in the presence of complex mixtures" 1385
"Tests for induction of presumed dominant-lethal effects in female mice" 1304
"The life span and osmotic fragility of erythrocytes in mice bearing benzo(a) pyrene - induced fibrosarcoma" 1769
"The ability of fetal liver microsomes of rats and mice to activate indirect mutagens in Salmonella mutagenicity test" 1813
"The effect of carbon black ingestion on 1,2-dimethylhydrazine-induced colon carcinogenesis in rats and mice" 1727
"The effect of diethylhydroxylamine on the incidence of tumors induced by benzo(a)pyrene in the mouse" 1363
"Tissue distribution and partial purification of a receptor protein for polycyclic aromatic hydrocarbons in the DBA/2J-mouse and Sprague-Dawley rat" 2030
"Tissue-specific DNA adduct formation in mice treated with the environmental carcinogen, 7H-dibenzo[c,g]carbazole" 1842
"Transplacental and transmammary delivery of 1-nitropyrene in mice" 1391
"Tumor initiating activities of 1-nitropyrene and its nitrated products in SENCAR mice" 1664
"Tumorigenicity of dihyddrodiols and diol-epoxides of benz(c)acridine in newborn mice" 1167
"Ubiquitous binding of benzo[a]pyrene metabolites to DNA and protein in tissues of the mouse and rabbit" 1893
Mouse 3T3 Cells
"Growth-dependent synthesis of C-MYC-encoded proteins early stimulation by serum factors in synchronized mouse 3T3 cells" 992

Mouse Blood
"Induction of sister-chromatid exchange (SCE) and cell-cycle inhibition in mouse peripheral blood B lymphocytes exposed to mutagenic carcinogens in vivo" .. 1464
"Toxic effects of benzopyrene on immunocompetent cells (mice)" 1107
Mouse Brain Microsome
"Metabolism of benzo[a]pyrene by mouse brain microsomes during perinatal development" 1799
Mouse Cell Culture
"Comparison of aryl hydrocarbon hydroxylase and acetanilide 4-hydroxylase induction by polycyclic aromatic compounds in human and mouse cell lines" 1416
Mouse Chromosome
"Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17" 955
Mouse Embryo Cell
"Variability of benzo(a)pyrene activation in mouse embryo cell cultures" 1828
Mouse Embryonic Fibroblast
"Studies on the activities of glutathione-S-transferases and the metabolism of benzo(a)pyrene in the primary culture of mouse embryonic fibroblast" 1525
"Binding of benzo(a)pyrene to the cellular macromolecules of mouse embryonic fibroblasts in primary culture" 1526
Mouse Embryos
"Placental transfer of benzo(a)pyrene and induction of aryl hydrocarbon hydroxylase in rat and mouse embryos" .. 1668
"Embryotoxicity of benzo(a)pyrene and some of its synthetic derivatives in Swiss mice" 1088
Mouse Epidermal Cells
"Soft agar colony formation of mouse epidermal cells during the early phase of 2-stage of chemically induced carcinogenesis" 1350
Mouse Epidermis
"Benzo(a)pyrene-DNA adduct formation and removal in mouse epidermis in vivo and in vitro: relationship of DNA binding to initiation of skin carcinogenesis" 1651
"Association of resistance to terminal differentiation with initiation of carcinogenesis in adult mouse epidermal cells" 1446
"Nuclear enlargement - an early change produced in mouse epidermis by carcinogenic chemicals applied topically in the presence of a promoter" 1407
"Formation and disappearance of benzo[a]pyrene DNA-adducts in mouse epidermis" 1227
"Mechanisms of initiation and promotion in mouse epidermis" 2022

Mouse Fetal DNA
"Benzo[a]pyrene-induced DNA damage in mouse fetal tissues" 1116
Mouse Fetus
"32P-postlabeling assay of transplacental DNA damage induced by safrole, 4-aminobiphenyl, benzo(a)pyrene and dibenzo(c,g)carbazole in fetal mouse tissues" 1546
"Preimplantation genotoxic disruption of fetal development" 1403
Mouse Fibroblasts
"Comparative quantitative study of nuclei and nucleoli in cultures of control mouse fibroblasts and transformed fibroblasts using silver nucleolus organizer region staining and scanning microscopy with detection ofretrodiffusable electrons" 1020
Mouse Forestomach Tumor
"Effects of organoselenium compounds on induction of mouse forestomach tumors by benzo(a)pyrene" 1254
"Inhibition of benzo(a)pyrene-induced mouse forestomach tumorigenesis by organoselenium compounds" 1255
Mouse Germ Cells
"Measurement of unscheduled DNA synthesis in germ cells of the male mouse (Mus Musculus)" 1846
"Induction of histo compatibitity gene mutations in germ cells of mice by chemical mutagens and-or virus inducing compounds" 1339
Mouse Hepatic Cytosols
"Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols" 1695
Mouse Hepatocytes
"DNA damage induced by nitropyrenes in primary mouse hepatocytes and in rat H4-II-E hepatoma cells" 1623
"Comparison of genotoxic effects of environmental carcinogens in hepatocytes from mouse, rat, hamster, and human" 1394
Mouse Hepatoma Cells
"Differential induction of sister-chromatid exchanges by benzo[a]pyrene in variant mouse hepatoma cells." 1829
"Metabolism of benzo(a)pyrene by variant mouse hepatoma cells" 1830
Mouse Intestinal Mucosa
"Ultrastucture of mouse intestinal mucosa and changes observed after long-term anthraquinone administration" .. 893
Mouse Liver
"Differential effect of beta-naphthoflavone on promutagen activation capabilities of S9 from rat and mouse livers" 1764
"Activation of benzo(a)pyrene by mitochondria in the mouse liver" 1751
"Indole-3-carbinol protects against covalent binding of benzo[a]pyrene and N-nitrosodimethylamine metabolites to mouse liver macromolecules" 1852

Mouse Liver (cont)
"Anthraquinone free-radical formation by mouse liver subcellular fractions" 1698
"Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice" 1484
"Carcinogen-binding proteins. High-affinity binding sites for benzo[a]pyrene in mouse liver distinct from the Ah receptor" 879
"Benzo(a)pyrene metabolism in mouse liver association of both 7,8-epoxidation and covalent binding of a metabolite of the 7,8 with the Ah locus" 1953
Mouse Liver Cells
"Flow cytometric measurement of the metabolism of benzo(a)pyrene by mouse liver cells in culture" 1090
Mouse Liver Microsomes
"Role of cytochrome P-448 in 3,4-benzo(a)pyrene metabolism in inbred mouse liver microsomes, induced by different xenobiotics" 1611
Mouse Lung
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo[a]pyrene, 2- aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Genotoxicity of 1-nitropyrene in mouse lung after intratracheal instillation" 1613
"Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice" 1484
"Tumorigenicity of fluoranthene in a newborn mouse lung adenoma bioassay" 1147
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
Mouse Lung Adenoma
"Effect of red ginseng on natural killer cell activity in mice with lung adenoma induced by urethane and benzo(a)pyrene" 2021
Mouse Lung Adenoma Assay
"Comparison of the ability of the mouse lung adenoma assay and the rat liver foci assay to detect chemical carcinogens" 1734
Mouse Lung Explants
"Inhibition of benzo(a)pyrene and benzo(a)pyrene-trans-7,8-diol metabolism and DNA binding in mouse lung explants by ellagic acid" 1232
Mouse Lung Fibroblasts
"Stimulation of mitochondrial DNA synthesis by endogenously activated chemical mutagens in mice lung fibroblasts: Replication or repair" 1833
Mouse Lung Microsome
"Effects of butylated hydroxyanisole on the metabolism of benzo(a)pyrene by mouse lung microsomes" 1904

Mouse Lymphocytes
"Immunocytotoxicity effects of polycyclic aromatic hydrocarbons on mouse lymphocytes" 1994
Mouse Mammary Cell Culture
"Beta caratone reduces sister chromatid exchanges induced by chemical carcinogens in mouse mammary cells in organ culture" 1559
Mouse Ovary Carcinoma
"Chemical induction of ovarian epithelial carcinoma in mice" 1414
Mouse Skin
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of the skin and hemoglobin of red blood cells" 1859
"Effect of ellagic and caffeic acids on covalent binding of benzo[a]pyrene to epidermal DNA of mouse skin in organ culture" 1860
"Persistence of BaP:DNA and BaP:protein adducts in mouse and rat skin" 1792
"Comparison of benzo[a]pyrene-DNA adduct levels in mouse and rat epidermis and dermis" 1793
"Fluoranthene and pyrene enhance benzo[a]pyrene--DNA adduct formation in vivo in mouse skin" 1786
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"Kinetics of benzo(a)pyrene penetration into the mouse skin after treatment with various phenols" 1854
"Sebaceous gland tumors caused by a single dose of dimethylbenz(a) anthracene to mouse skin" 1788
"Formation and persistence of DNA, RNA, and protein adducts in mouse skin expose to pure optical enantiomers of 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene in vivo" 1723
"Effects of the co-carcinogen catechol on benzo[a]pyrene metabolism and DNA adduct formation in mouse skin" 1593
"The contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of emission condensate from coal-fired residential furnaces evaluated by topical application to the skin of mice" 1323
"The contribution of polycyclic aromatic hydrocarbon fractions with different boiling ranges to the carcinogenic impact of emission condensate from coal fired residential furnaces as evaluated by topical application to the skin ofmice" 1324
"Suppression of the 1st stage of phorbol-12-tetradecanoate-13- acetate-effected tumor promotion in mouse skin by nontoxic inhibition of DNA synthesis" 1460
"A 2-stage mouse skin carcinogenesis study of Lyngbyatoxin A" 1288

Mouse Skin (cont)
"Impairment of xenobiotic metabolism in skin of mice chronically exposed to UV B radiation" 1201
"Kinetics of benzo(a)pyrene penetration into the skin of mice under the influence of different phenols" 1853
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205
"Investigation on the carcinogenicity of emission condensate from brown coal-fired residential furnaces applied to mouse skin" 1224
"Local application to mouse skin as a carcinogen specific test system for non-volatile nitroso compounds" 1225
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of skin and hemoglobin of red blood cells" 1861
"Effects of a biomimetic superoxide dismutase on complete and multistage carcinogenesis in mouse skin" ... 1252
"Effect of ellagic acid and hydroxylated flavonoids on the tumorigenicity of benzo[a]pyrene and racemic-7-beta, 8-alpha dihydroxy-9- alpha, 10-alpha-epoxy-7 8 9 10-tetrahydrobenzo-a-pyrene on mouse skin and in the newborn mouse" 1166
Mouse Skin Humors
"Effects of ellipticine, flavone, and 7,8-benzoflavone upon 7,12-dimethylbenz[a]anthracene, 7,14-dimethyldibenzo[a,h]anthracene and dibenzo[a,h]anthracene initiated skin tumors in mice" ... 1058
Mouse Skin Microsomes
"Studies on cytochrome P-450 induced by benz(a)anthracene in mouse skin microsomes" 1405
Mouse Spleen Cells
"Direct suppression of in vitro antibody production by mouse spleen cells by the carcinogen benzo(a)pyrene but not by the noncarcinogenic congener benzo(e)pyrene" 1983
Mouse Splenic Lymphocytes
"Alterations in cell-mediated immune functions induced in mouse splenic lymphocytes by polycyclic aromatic hydrocarbons" 1993
Mouse Tail Model
"Effect of crude coal tar in the mouse-tail model of psoriasis" 859
mRNA
"Human P1-450 gene sequence and correlation of mRNA with genetic differences in benzo[a]pyrene metabolism" 1415
"Identification and quantification of a messenger ribonucleic acid induced by polynuclear aromatic hydrocarbons--using a cloned human cytochrome P-450 gene" 935

mRNA (cont)
"Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of.alpha.-human chorionic gonadotropin-specific mRNA sequences and benzo(a)pyrene-induced hypomethylation" ... 1998
Mucus
"Influence of anthraquinones on mucus secretions and transport of water and electrolytes in rat colon in-situ" 1515
Mullet
"Position-specific induction of benzo(a)pyrene metabolism by 3-methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish" 1837
Mullet Liver Microsome
"Induction of MFO in mullet liver microsomes: Effect of NADPH on benzo(a)pyrene metabolite distribution at 25 and 37 degree C" 999
Multilinear Regression
"Carcinogenesis by polycyclic aromatic hydrocarbons: a multilinear regression on new type Perturbational Molecular Orbital indices" 1907
Multimedia Model
"Air, land, water analysis system (ALWAS): a multimedia model for toxic substances. NEPA-600/3-84-052" 518
Multiple Basalioma
"Multiple basalioma in an asphalt-laying worker" 2158
Multistage Carcinogenesis
"Mechanisms of multistage chemical carcinogenesis and their relevance to respiratory tract cancer" 1975
"Multistage carcinogenesis involves multiple genes and mutiple mechanisms" 1976
Municipal Incineration
"Daily variations in composition of extractable organic compounds in fly-ash from municipal waste incineration" . 600
"In-stack dilution technique for the sampling of polycyclic organic compounds. Application to effluents of a domestic waste incineration plant" 684
"Incineration of municipal refuse Report NLR-498(AP)-M" . 599
"Presence of polycyclic aromatic hydrocarbons (PAHs) in the incineration cycle of solid urban waste" 742
"Identification of organic compounds obtained from incineration of municipal waste by high-performance liquid chromatographic fractionation and gas chromatography-mass spectrometry" 804
"Assessment of emissions of specific compounds from a resource recovery municipal refuse incinerator NEPA/560/15-84/002" 657
"Emission control for municipal solid waste incineration in Sweden" 2177

Municipal Refuse
"Assessment of emissions of specific compounds from a resource recovery municipal refuse incinerator NEPA/560/15-84/002" 657
"Incineration of municipal refuse Report NLR-498(AP)-M" . 599
Municipal Waste
"Gas chromatographic-mass spectrometric computer analysis of incinerator wastewaters" 780
"Identification of organic compounds obtained from incineration of municipal waste by high-performance liquid chromatographic fractionation and gas chromatography-mass spectrometry" 804
"Toxic organic compounds in municipal waste materials: origin, content and conversion in soils and plants" 662
"Daily variations in composition of extractable organic compounds in fly-ash from municipal waste incineration" . 600
"Presence of polycyclic aromatic hydrocarbons (PAHs) in the incineration cycle of solid urban waste" 742
"Mobility of organic and inorganic constituents from energy and combustion-related wastes under codisposal conditions" 2192
"Emission control for municipal solid waste incineration in Sweden" 2177
Municipal Waste Leachate
"Leaching of PAH from industrial wastes with municipal waste leachate" 729
Mussel(s)
"Application of steam distillation in the determination of petroleum hydrocarbons in water and mussels (Mytilus edulis) from dosing experiments with crude oil" 50
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase." . 946
"Induction of chromosomal aberrations in the mussel Mytilus galloprovincialis watch" 1053
"Organic sulfur compounds and polycyclic hydrocarbons transferred to oyster and mussel from petroleum suspension. Identification by gas chromatography and capillary mass chromatography" 433
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
"Responses of the mussel Mytilus Edulis to copper and phenanthrene: Interactive effects" 980
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962

Mussel(s) (cont)
"Toxicokinetics and metabolism of benz(a)pyrene in Black Sea mussels accumulation of matter in the body of the mollusk" 2025
"Toxicokinetics and metabolism of benzo(a)pyrene in the Black Sea mussel" 2026
Mutagen
"In vivo effects of N-acetylcysteine on glutathione metabolism and on the biotransformation of carcinogenic and/or mutagenic compounds" 1209
"Induction of rat mammary gland tumors by 1-nitropyrene, a recently recognized environmental mutagen" 1377
"Mutagen formation by the photochemical reaction of pyrene with nitrogen dioxide" 336
"Mutagen formation by the photochemical reaction of polycyclic aromatic hydrocarbons with nitrogen oxides" .. 335
Mutagenesis
"Biological effects of dyes on bacteria 6. Mutation induction by acridine orange and methylene blue in the dark with special reference to Eschericia-coli WP-6-POLA-1" 1972
"Cyclopenta-fused isomers of benz(a)anthracene II: Mutagenic effects on mammalian cells" 1666
"Differences in mediated mutagenesis and polycyclic aromatic hydrocarbon metabolism in mammary cells from pregnant and virgin rats" 1624
"Differences in responses of 4 adult rat-liver epithelial cell lines to a spectrum of chemical mutagens" 1933
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Effect of immunization with tularemia vaccine on 3,4-benz(a)pyrene induced blastomogenesis and mutagenesis in rats" 1658
"Evidence that 1 nitropyrene is mutagenic in diploid human skin fibroblasts" 1717
"Experimental study of antimutagenic activity of 5-methylresorcinol" 1712
"Factors influencing the mutagenic activity of benzo(a)pyrene-coated alumina particles" 1398
"Human endometrial cell-mediated mutagenesis of Chinese hamster V79 cells by metabolism of benzo(a)pyrene" 1290
"Identification of mutagenic metabolites of indeno[1,2,3-cd]pyrene formed in vitro with rat liver enzymes" 1785
"Identification of polycyclic aromatic compounds in mutagenic emissions from steel casting" 2128
"Mutagenesis of amino and/or methyl analogs of acridine in Salmonella and yeast: a comparison between the spot-test and the pre-incubation methods" 1314

Mutagenesis (cont)
"Mutagenesis of polycyclic aromatic hydrocarbons and N-heterocyclic aromatics in the Chinese hamster DPI-3 epithelial cell line" 1241
"Mutagenic activity and PAH-analysis of airborne particles from a woodheating community in Norway" 1615
"Mutagenic activity of some intercalating compounds in the drosophila zeste somatic eye mutation test" 2007
"Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleoside modification by stereoisomeric benzo(a)pyrene 7,8-diol-9,10-epoxides" 1142
"On the nature of the mutations induced by the diolepoxide of benzo(a)pyrene in mammalian cells" 1455
"Phenolic bioantioxidants as effective inhibitors of benzo(a)pyrene induced mutagenesis in mammals" 1709
"Polycyclic aromatic hydrocarbon mutagenesis of human epidermal keratinocytes in culture" 1056
"Somatic cell and molecular genetics approach to DNA repair and mutagenesis. ERDA/560301" 1930
"Stimulation of mitochondrial DNA synthesis by endogenously activated chemical mutagens in mice lung fibroblasts: Replication or repair" 1833
"The effect of immunization with tularemia vaccine on carcinogenesis and mutagenesis induced by 3,4-benz(a)pyrene in rats" 1659
"The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation" 1399
"The influence of antipain on the induction of mutations in CHO cells" 1135
Mutagenesis Test
"Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in an anode plant" 2056
Mutagenic Activation
"Mutagenic activation of biliary metabolites of 1-nitropyrene by intestinal microflora" 1630
"Multiple metabolic pathways for the mutagenic activation of 3-nitrobenzo(a)pyrene" 1175
Mutagenic Inhibition
"Inhibition of the mutagenicity of bay-region diol-epoxides of polycyclic aromatic hydrocarbons by tannic acid, hydroxylated anthraquinones and hydroxylated cinnamic acid derivatives" 1397
Mutagenic Products
"Formation of mutagenic products of benzo(a)pyrene mediated by lipid peroxidation" 1590

Mutagenicity
"1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice" 1932
"A comparison between different high volume sampling systems for collecting ambient airborne particles for mutagenicity testing and for analysis of organic compounds" 5
"A simple test system (UMU test) for the detection of environmental mutagens. 2. Improvement of sensetivity by employing salmonella typhimurium TA1535 as a host strain" 1688
"A model based on molecular structure descriptors for predicting mutagenicity of organic compounds" 1212
"A quantitative comparison of a percentile rule with a 2-fold rule for assessing mutagenicity in the AMES assay" 1157
"A study of chemical carcinogenesis. 57. Synthesis and mutagenicity of dihydrodiol metabolites of benzo(b)fluoranthene" 1061
"A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems" 1923
"Absence of mutagenic activity of benzo(a)pyrene in the soybean test system" 1287
"Analytical isolation, separation and identification of mutagens from nonvolatile organics of drinking water" ... 501
"Anti-carcinogenic effects of the administration of a plant essential oil component, eugenol. I. Inhibition of mutagenicity of benzpyrene and 2-acetylaminofluorene by S-9 fraction of liver from eugenol-administered rats" 2017
"Bacterial mutagenicity and chemical analysis of polycyclic aromatic hydrocarbons and some nitro derivatives in environmental samples collected in West Germany" 303
"Bacterial mutagenicity of aceanthrylene: a novel cyclopenta-fused polycyclic aromatic hydrocarbon of low molecular weight" 1476
"Bacterial assessment of coal tar mutagenicity" 1981
"Characterization of particle composition, organic vapor constituents, and mutagenicity of indoor air pollutant emissions" 2144
"Chemical reactivities and mutagenicities of a series of chloromethylbenzo[a]pyrenes" 1516
"Chemical and mutagenic analysis of extracts of airborne particulates at industrial region" 1177
"Comparative carcinogenic and mutagenic activity of coal tar and petroleum asphalt paints used in potable water supply systems." 2132
"Comparison of effect of chronic ethanol consumption by Syrian hamsters on liver metabolism and mutagenicity of benzo(a)pyrene and N-nitrosopyrrolidine" 1218

Mutagenicity (cont)
"Contribution of wood combustion to indoor air pollution as measured by mutagenicity in Salmonella and polycyclic aromatic hydrocarbon concentration" 563
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1862
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1863
"Contribution of nitropyrene to the mutagenic activity of coal fly ash" 1343
"Contribution of 1-nitropyrene metabolites to mutagenic activity of diesel particulate" 1100
"Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals" 1198
"Cytotoxic and mutagenic effects of 1-nitropyrene and 1-nitrosopyrene in diploid human fibroblasts" 1718
"Cytotoxicity and mutagenicity of coal oils in the CHO/HGPRT assay" 1220
"Detection of 1-nitropyrene in Yakitori grilled chicken" 1459
"Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system" 1677
"Effect of process distillation on mutagenicity and cell-transformation activity of solvent-refined, coal-derived liquids" 1725
"Effect of particulates on metabolism and mutagenicity of benzo[a]pyrene." 1105
"Effect of induction by DDT on metabolism and mutagenicity of benzo[a]pyrene" 1121
"Effect of nitro substitution on the light-mediated mutagenicity of polycyclic aromatic hydrocarbons in Salmonella typhimurium TA98" 1982
"Effects of pyrene or benzo(a)pyrene on the mutagenicity of trinitrochlorobenzene or tetranitrocarbazole" 1315
"Effects of triterpenes on the mutagenicities of various mutagens toward Salmonella" 2010
"Enhancement of DNA binding and mutagenicity of 1-nitropyrene by zinc acetate in Salmonella typhimurium TA100" 1810
"Environmental nitroarenes: an attempt to understand their mutagenic and carcinogenic properties" 1796
"Environmental pollutants and their mutagenic activity: an analog model for structure-effect relations" 1474
"Estimation of mutagenic activities and physicochemical indexes of coastal waters" 367
"Evaluation of Escherichia-coli K-12 343-113 and derived strains for microbial mutagenicity analysis" 1517
"Evaluation of the mutagenicity and the identification of airborne particulate extracts by a gas chromatography-mass spectrometry computer data system" 226

Mutagenicity (cont)
"Evaluation of Escherichia-coli K-12 343-113 and derived strains for microbial mutagenicity analysis" 1517
"Excretion of 3-hydroxy-benzo(a)pyrene and mutagenicity in rat urine after exposure to benzo(a)pyrene" 1428
"Excretion of 3-hydroxy-benzo(a)pyrene and mutagenicity in rat urine after exposure to benzo(a)pyrene" 1428
"Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood" 2053
"Fate of nitrogen-containing polycyclic aromatic compounds and microbial mutagenicity in SRC-II products on storage" 2000
"For some chemical genetic risks based on tests other than germ-cell mutagenicity in the whole mammal may be exaggerated" 1803
"For some chemical genetic risks based on tests other than germ-cell mutagenicity in the whole mammal may be exaggerated" 1803
"Formation of hazardous substances and mutagenicity of PAH produced during the combustion process in a diesel engine" 672
"GC/MS and MS/MS studies of diesel exhaust mutagenicity and emissions from chemically-defined fuels" 1369
"GC/MS and MS/MS studies of diesel exhaust mutagenicity and emissions from chemically-defined fuels" 1369
"Genetic and quantum chemical basis of the mutagenicity of nitroarenes for adenine-thymine base pairs" 1583
"Genetic and quantum chemical basis of the mutagenicity of nitroarenes for adenine-thymine base pairs" 1583
"Genotoxicity of complex mixtures: CHO cell mutagenicity assay NPNL-5337" 1282
"Genotoxicity of complex mixtures: CHO cell mutagenicity assay NPNL-5337" 1282
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"Glucuronide conjugation of Benzo(a)pyrene reduces cytotoxicity but not mutagenicity in the CHO/HGPRT system" 1772
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"Host-mediated mutagenicity experiments with benzo[a]pyrene and two of its metabolites" 1307
"Host-mediated mutagenicity experiments with benzo[a]pyrene and two of its metabolites" 1307
"Human cell-mediated cytotoxicity and mutagenicity of the nitrogen heterocyclic 7H-dibenzo(c,g)carbazole (DBC)" 1708

Mutagenicity (cont)
"Human cell-mediated cytotoxicity and mutagenicity of the nitrogen heterocyclic 7H-dibenzo(c,g)carbazole (DBC)" 1708
"Identification of mutagenic constituents in coal-combustion fly ash" 827
"Identification and quantification of highly mutagenic nitroacetoxypyrenes and nitrohydroxypyrenes in diesel-exhaust particles" 727
"In-vitro effects of N-acetylcysteine on the mutagenicity of direct acting compounds and procarcinogens" 1211
"In-vitro effects of N-acetylcysteine on the mutagenicity of direct acting compounds and procarcinogens" 1211
"Induction of SOS functions is not required for rec-a-positive dependent mutagenicity of 9 amino acridine in Salmonella- typhimurium strain TRPE-8" 1744
"Induction of SOS functions is not required for rec-a-positive dependent mutagenicity of 9 amino acridine in Salmonella- typhimurium strain TRPE-8" 1744
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
"Inhibition of the mutagenic activity of some heterocyclic dietary carcinogens and other mutagenic/carcinogenic compounds by rat organ preparations" 1149
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
"Inhibition of the mutagenic activity of some heterocyclic dietary carcinogens and other mutagenic/carcinogenic compounds by rat organ preparations" 1149
"Inhibition by plant phenols of benzo(a)pyrene-induced nuclear aberrations in mammalian intestinal cells: A rapid in-vivo assessment method" 1966
"Inhibitory effects of tannins on direct acting mutagens" 1697
"Inhibitory effects of the phorbolester TPA and cigarette smoke condensate on the mutagenicity of benzo[a]pyrene in a co- cultivation system" 1426
"Inhibitory effects of tannins on direct acting mutagens" 1697
"Inhibitory effects of the phorbolester TPA and cigarette smoke condensate on the mutagenicity of benzo[a]pyrene in a co-cultivation system" 1426
"Isomeric mononitrobenzo(a)pyrenes: synthesis, identification and mutagenic activities" 1742
"Metabolic activation of mutagenic and carcinogenic dinitropyrenes" 1098

Mutagenicity (cont)
"Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites" 1286
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Metabolism of 1-nitro[14C]pyrene in vivo in the rat and mutagenicity of urinary metabolites" 1084
"Metabolism, DNA repair and mutagenicity of 1-nitropyrene in the human hepatoma cell line HepG2" 1250
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"Micronuclear induction in mammalian somatic cells in combined exposure to benzo(a)pyrene and hexachlorocyclohexane" 1711
"Mutagenic activity of air samples from the towns of Lodz and Zgierz (Poland)" 1903
"Mutagenic properties of gasoline exhausts" 1761
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
"Mutagenic and plasmid-eliminating action of acridine orange in the cyanobacterium Nostoc" 1485
"Mutagenic action of alkylating agents on lambda prophage" 1133
"Mutagenic activity of solid emissions of different combustion systems" 1099
"Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant" 2166
"Mutagenic activity of urban pollutants 3. The differences in mutagenicity of nitromethane extracts by the height of stations" 2147
"Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification" 2229
"Mutagenic activity of airborne particulates sampled in Berlin (West)" 2006
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802
"Mutagenicity and benzo(a)pyrene contents in soils in Sendai City Japan influences of particulate substances produced by studded tires of automobiles" 796
"Mutagenicity and nitropyrene content in indoor air heated with a kerosene heater" 752
"Mutagenicity and chemical characterization of organic constituents in rice straw smoke particulate matter" 731
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particulates in Tokyo Japan and Beijing China" 428

Mutagenicity (cont)
"Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified Salmonella assay requiring smaller sample volumes" 1055
"Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes" 1059
"Mutagenicity and tumor initiating activity of methylated benzo[k] fluoranthenes" 1060
"Mutagenicity of nitropyrenes for Escherichia coli: requirement for increased cellular permeability" 970
"Mutagenicity of 1-nitropyrene metabolites from lung S9" 1457
"Mutagenicity of pyrolyzates of natural substances on Salmonella- typhimurium TA-97" 1811
"Mutagenicity of polycyclic aromatic hydrocarbons and quinones on Salmonella typhimurium TA97" 1812
"Mutagenicity of coal tar paints used in drinking water distribution systems" 1867
"Mutagenicity and benzo(a)pyrene contents in soils in Tokyo (Japan)" 1674
"Mutagenicity of pyrene in Salmonella" 1573
"Mutagenicity of airborne particulates" 1487
"Mutagenicity and chemical analysis of airborne particulates from a rural area in Italy" 1771
"Mutagenicity of synfuels materials" 1724
"Mutagenicity of algal metabolites of benzo(a)pyrene for Salmonella typhimurium" 1835
"Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites" 1662
"Mutagenicity of nitrofluoranthenes, 3-aminofluoranthene and 1-nitropyrene in Chinese hamster V79 cells" 1104
"Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite" 1691
"Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air" 1622
"Mutagenicity and chemical characterization of two petroleum distillates" 1159
"Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air" 1614
"Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes" 1083
"Mutagenicity of 7 polycyclic aromatic hydrocarbon compounds in Drosophila" 1068
"Mutagenicity of combustion products in kerosine heater emission" 1490
"Mutagenicity and carcinogenicity of polycyclic aromatic enriched fractions from coal liquefaction materials" 1726

Mutagenicity (cont)
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particles in Tokyo Japan and Beijing China" 1675
"Mutagenicity of pyrenequinone and perylene quinone on Salmonella-typhimurium" 1488
"Mutagenicity of polycyclic aromatic hydrocarbons and amines: a conformational hypothesis" 1138
"Mutagenicity of quinones pathways of metabolic activation and detoxification" 1173
"Mutagenicity of smoked, dried bonito products." 1450
"Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay" 2044
"Mutagenicity of urine and feces after treatment of rats with known genotoxins" 1986
"Mutagenicity of reaction product and reaction between fluoranthene and aqueous chlorine" 1910
"Mutagenicity of selected functionalized benz(c)acridines and a benz(a)phenazine in the salmonella-typhimurium microsome assay" 1961
"Mutagenicity of the sunlight-exposed sample of pyrene in Salmonella typhimurium TA98" 1913
"Mutascreen, an automated bacterial mutagenicity assay" . 1267
"Nitrated polycyclic aromatic hydrocarbons: mutagenic and carcinogenic potency. A review" 1480
"Oncogene of sarcomas induced by 1-8-dinitropyrene in rats" 1686
"Outline and mutagenicity of PAH (polynuclear aromatic hydrocarbons) in the whole extract of emissive dust samples" 1906
"Photo oxidation of a polycyclic aromatic amine chemical identification of stable and direct acting mutagenic photo products" 1895
"Plant phenolics as antimutagens: In vivo evidence for inhibition of an aromatic chemical carcinogen" 1967
"Polar organic compounds in urban aerosols and their mutagenic activity in the Ames test with S. typhimurium". 1628
"Polar organic compounds in urban aerosols identification and mutagenicity in the Salmonella-typhimurium mammalian microsome bioassay" 1627
"Quantification of polycyclic aromatic hydrocarbons and nitro-substituted polycyclic aromatic hydrocarbons and mutagenicity testing for the characterization of ambient air particulate matter" 543
"Quantitative evaluation of the mutagenic potential of benzo(a)pyrene treatment based on in-vitro and in-vivo tests" 1713
"Reaction of benz(a)anthracene under plasma irradiation and the mutageneity of its products" 2016

Mutagenicity (cont)
"Reduced mutant yield at high doses in the Salmonella/activation assay: the cause is not always toxicity" 1586
"Relationship between polarographic reduction potential and mutagenicity of nitroarenes" 1470
"Reproducibility of microbial mutagenicity assays 1. Tests with Salmonella-typhimurium and Escherichia-coli using a standardized protocol" 1244
"Role of metabolism on the mutagenicity of nitro arenes" 1582
"Salmonella microsome mutagenicity of monochloro derivatives of some dicyclic tricyclic and tetracyclic aromatic hydrocarbons" 1539
"Salmonella/microsome mutagenicity of monochloro derivatives of some di-, tri- and tetracyclic aromatic hydrocarbons" 1536
"Salmonella/microsome mutagenicity of 1-nitropyrene-2-ol, a nitropyrene phenol formed in the photolysis of 1-nitropyrene" 1540
"Sampling ambient air for mutagenicity testing by high-volume filtration on glass-fiber filters and on XAD-2" 4
"Screening of mutagenicity of processed foods by the use of Blue Cotton" 1452
"Selenium suppresses the metabolism of benzo[a]pyrene by rat-liver extracts, and exerts a dual effect on its mutagenicity" 1527
"Selenium modified mutagenicity and metabolism of benzo[a]pyrene in an S9-dependent system" 1925
"Sorption of organic compounds from urine in mutagenicity testing: choice of sorbent" 1223
"Structural requirements for the mutagenicity of environmental nitroarenes" 1469
"Survival and mutagenesis of bacterial plasmids with localized carcinogen adducts" 1164
"Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene" 1276
"Synthesis spectral analysis and mutagenicity of 1 3 and 6 nitrobenzo(a)pyrene" 1174
"Synthesis and mutagenicity of suspected intermediates in the nitroreduction of 1,6- and 1,8-dinitropyrene" 1275
"Testing of 2,4,5-T-amino acid conjugates for mutagenic activity in salmonella typhimurium strains" 1765
"Testing for mutagens in an aluminum plant. The results of Salmonella typhimurium tests on expectorates from exposed workers" 2104
"The stability of mutagenic chemicals stored in solution" 147

Mutagenicity (cont)
"The influence of 18 environmentally relevant polycyclic aromatic hydrocarbons and Clophen A50, as liver monooxygenase inducers, on the mutagenic activity of benz[a]anthracene in the Ames test" 1678
"The use of the Salmonella/microsome mutagenicity test for the characterization of organic extracts from ambient particulate matter" 1535
"The effects of glutathione on benzo(a)pyrene-induced cytotoxicity and mutagenicity in the CHO-HGPRT hypoxanthine-guanine phosphoribosyltransferase assay" .. 1774
"The role of DNA sequence and structure of the electrophile on the mutagenicity of nitroarenes and arylamine derivatives" 1795
"The mutagenicity of singlet oxygen activation of benzo(a)pyrene derivatives" 1604
"The homogeneity of rat liver microsomal cytochrome P-448 activity and its role in the activation of benzo[a]pyrene to mutagens" 1739
"The effects of cell cycle position on the cytotoxicity and mutagenicity of benzo(a)pyrene in cultured Chinese hamster cells" 1684
"The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains" 1690
"The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N- nitroso-N-methylaniline in the Salmonella typhimurium assay" 1062
"The distribution of dermal tumorigens in coal liquids: relationship of tumorigenicity and microbial mutagenicity" 1382
"The effect of paraquat on the mutagenicity of benzo(a)pyrene" 1973
"The observation of sister chromatid exchange frequencies in the workers of long term exposure to chemical carcinogens in cancer research laboratory" 2107
"Three consistent patterns of response to substituted acridines in a variety of bacterial tester strains used for mutagenicity testing" 1272
"Transient DNA lesions induced by benzo[a]pyrene in Chinese hamster ovary cells" 1111
"Tumor-initiating activity mutagenicity and metabolism of methylated anthracenes" 1492
"Tumor-initiating activity, mutagenicity, and metabolism of methylated anthracenes" 1503
Mutagenicity Probe
"Proton NMR of intercalators and guanylyl-3' 5'-cytidylyl-3' 5' adenosine a potential mutagenicity probe" 41

Mutagenicity Test
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Petroleum distillates suppress in vitro metabolic activation: higher [S-9] required in the Salmonella/microsome mutagenicity assay" 1160
"Enzymatic characterization of the polynuclear aromatic hydrocarbons activating rat-liver preparations used in the mutagenicity test of Ames" 1919
Mutagens
"A human cell line sensitive to mutation by particle-borne chemicals" 1188
"Condensation of nucleic-acids by intercalating aromatic cations" 933
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
"Identification of mutagens generated from gas and liquefied petroleum gas burners" 707
"Induction of histo compatibitity gene mutations in germ cells of mice by chemical mutagens and-or virus inducing compounds" 1339
"Influence of dietary vitamin E and selenium on metabolic activation of chemicals to mutagens" 1176
"Metabolic activation and deactivation of mutagens by preparations of human lung parenchyma and bronchial tree" 1210
"Mutagens in smoked dried Bonito Katsuobushi" 1451
"Photodecomposition of 1-nitropyrene and other direct-acting mutagens extracted from diesel-exhaust particulates" 788
"Source of mutagens in Contra Costa County community aerosols" 632
"Sources of nitroaromatic mutagens in atmospheric polycyclic organic matter" 644
"Sources of mutagens in Contra Costa County community aerosols during pollution episodes: diurnal variations and relations to source emissions tracers" 633
"Suitability of the P388F mouse lymphoma system for detecting potential carcinogens and mutagens" 1063
"Toxicologic strategy for mutagens formed in foods during cooking: Status and needs" 1351
Mutation
"Mutastrains for microbial mutagenicity analysis" 1517
"The mutational consequences of DNA damage induced by benzo(a)pyrene" 1253
"Xenobiotic metabolism and mutation in a human lymphoblastoid cell line" 1187
Mutation Assay
"Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay" 1844

Mutation Assay (cont)
"Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay" 1780
"Chemical analysis and mutational assay of distilled oils from the H-coal direct liquefaction process: A status report" 1990
Mutation Response
"In-vitro short-term testing systems as prescreening for potential carcinogens simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V-79 cells" 1654
Mutational Events
"Mutational and recombinational events in carcinogen-modified plasmid DNA influence of host-cell repair genes" 1046
Mycotoxins
"Effects of some mycotoxins and synthetic genotoxic substances on the embryonic and larval development of Brachydanio rerio" 1208
Mytilus edulis
"Polycyclic aromatic hydrocarbons in American lobster (Homarus Americanus) and Blue mussels (Mytilus Edulis) collected in the area of Sydney Harbour, Nova Scotia" .. 490
"Application of steam distillation in the determination of petroleum hydrocarbons in water and mussels (Mytilus edulis) from dosing experiments with crude oil" 50
"Responses of the mussel Mytilus Edulis to copper and phenanthrene: Interactive effects" 980
"The fine structure of lysosomal membranes and endoplasmic reticulum in the digestive cells of Mytilus edulis exposed to anthracene and phenanthrene" 1679
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
"Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase." . 946
Mytilus galloprovincialis
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Induction of chromosomal aberrations in the mussel Mytilus galloprovincialis watch" 1053

N-acetylcysteine
"In vivo effects of N-acetylcysteine on glutathione metabolism and on the biotransformation of carcinogenic and/or mutagenic compounds" 1209
"In-vitro effects of N-acetylcysteine on the mutagenicity of direct acting compounds and procarcinogens" 1211
n-dodecane
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
NAD(P)H-NBT Reductase
"D-T diaphorase and NAD(P)H-NBT reductase activation. A biochemical and histochemical response of the lymph nodes of the rat to the administration of polycyclic hydrocarbons" 1838
Nafion Membranes
"Photophysical studies of pyrene incorporated in Nafion membranes" 1509
Narragansett Bay
"Geochemistry of organic contaminants in Narragansett Bay sediments" 460
Nasal Mucosa
"Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis" 1193
Natural Gas
"PAH and soot formation in fuel-rich turbulent coal liquid and natural gas diffusion flames" 806
"Organic compounds in soils and sediments from unlined waste disposal pits for natural gas production and processing" 614
"Hazardous organic compounds in liquid wastes from disposal pits for production of natural gas" 613
"High molecular weight hydrocarbons including polycyclic aromatic hydrocarbons in natural gas from consumer distribution pipelines and in pipeline residue" 625
Natural Gas Combustion
"Conditions for the formation and methods for total burn-up of polycyclic aromatic hydrocarbons during combustion of natural gases" 792
Natural Gas Pipeline
"Discharge water from hydrostatic testing of natural gas pipelines as source of PAH loading into aquatic environments" 624
"Distribution of hydrocarbons in soil through contamination from a leaking natural gas pipeline" 626

Nauplii
"A quantitative structure-activity relationship between partition coefficients and the acute toxicity of naphthalene derivatives in Artemia salina Nauplii" 1278
"Effects of temperature, feeding and acridine on development and mortality of eggs and nauplii of Diaptomus clavipes Schacht" 1183
"Quantitative structure-toxicity relationships with osmotically stressed Artemia salina nauplii" 1279
Nematic Liquid Crystals
"Polycyclic aromatic hydrocarbons of coal fly ash: analysis by gas-liquid chromatography using nematic liquid crystals" 786
Nematode
"The use of free-living nematodes as a bioassay for estuarine sediments" 1931
Neoplasia
"Effect of the antioxidant butylated hydroxyanisole on in vivo formation of benzo(a)pyrene metabolite-DNA adducts. Correlation with inhibition of benzo(a)pyrene-induced neoplasia by butylated hydroxyanisole" 1064
Neoplasm
"Mechanism of benzo(a)pyrene induction of alpha-human chorionic gonadotropin gene expression in human lung tumor cells" 1997
Neoplastic Conversion
"DNA damage, repair and neoplastic conversion in cultured mouse and human cells" 1293
Neoplastic Epithelial Cell
"Isolation of two syngeneic cell lines from a rat mammary carcinoma growth factor production by neoplastic epithelial cells" 1375
Neoplastic Phenotypes
"Interaction between nontransforming retroviruses and chemicals in cells in-vitro association with progression to neoplastic phenotypes" 1897
Neoplastic Transformation
"Studies on chemically induced neoplastic transformation and mutation in the BALB/3T3 Cl A31-1-1 cell line in relation to the quantitative evaluation of carcinogens" 1806
"Neoplastic transformation of human diploid fibroblasts KMST-6 by treatment with cobalt-60 gamma-rays" 1652
"Neoplastic transformation of mammary epithelial cells in culture" 1197
Nereis virens
"In vivo metabolism of benz(a)anthracene by the polychaete Nereis virens" 1585
"Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete Nereis virens" 900

Nereis virens (cont)
"Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(a)anthracene on the deposit feeding polychaete Nereis virens" 971
Neurospora crassa
"Studies on the induction of aryl hydrocarbon(benzo[a]pyrene) hydroxylase in Neurospora crassa, and its suppression by sodium selenite" 1440
Neurotoxicity
"The effect of hepatic mixed-function oxidase enzyme inducers on the development of tri-o-tolyl phosphate-induced delayed neurotoxicity" 1151
New England
"Measurements of polycyclic aromatic hydrocarbons in ambient air particulates in Northern New England" 340
New Jersey
"Polycyclic aromatic hydrocarbons in New Jersey: A comparison of winter and summer concentrations over a two-year period" 317
Newt
"Micronuclei in red blood cells of the newt Pleurodeles waltl after treatment with benzo(a)pyrene: dependence on dose, length of exposure, posttreatment time, and uptake of the drug" 1325
"Studies of the effects of cancer-inducing and -promoting chemicals on newt regenerating and nonregenerating limbs" 1025
Niagara River
"1981 Buffalo, New York area sediment survey (BASS) EPA-905/3-84-001" 467
Nibea Mitsukurii
"Correlation of epizootiological observations with experimental data chemical induction of chromatophoromas in the Croaker Nibea- Mitsukurii" 1454
Nick Translation
"Nick translation - a new assay for monitoring DNA damage and repair in cultured human fibroblasts" 1880
Nitration
"Nitration of polycyclic aromatic hydrocarbons adsorbed to different carriers in a fluidized bed reactor" 763
"Reactivity of polycyclic aromatic hydrocarbons towards nitrating species" 424
Nitrite
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
Nitro-PAH(s)
"1-Nitrosopyrene: an intermediate in the metabolic activation of 1-nitropyrene to a mutagen in Salmonella typhimurium TA1538" 1362

Nitro-PAH(s) (cont)
"6-Nitrochrysene is a potent tumorigen in newborn mice" . 1146
"A critical review of nitro- and oxy-PAH compounds in the atmosphere" 292
"A possible formation pathway for 2-nitrofluoranthene observed in ambient particulate organic matter" 500
"Analysis of nitro-PAHs in diesel exhaust particulate extracts with multicolumn HPLC" 719
"Analysis of mononitro-isomers of fluoranthene and pyrene by high- resolution capillary gas chromatography-mass spectrometry" 159
"Analysis of the metabolites, DNA adducts and mutations produced by 1-nitropyrene in Chinese hamster ovary cells" 1360
"Application of chiral high-performance liquid chromatography to the separation of structurally similar nitro-polycyclic aromatic hydrocarbons" 38
"Bacterial mutagenicity and chemical analysis of polycyclic aromatic hydrocarbons and some nitro derivatives in environmental samples collected in West Germany" 303
"Biliary excretion and enterohepatic circulation of 1-nitropyrene metabolites in Fischer-344 rats" 973
"Capillary column gas chromatographic determination of nitro polycyclic aromatic compounds in particulate extracts" 33
"Comment on the paper "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 138
"Comparative carcinogenicities of 1-, 2-, and 4-nitropyrenes (NP) and structurally related compounds for female CD rats following intraperitoneally injection" 1406
"Comparison of the in vitro and in vivo hepatic metabolism of the carcinogen 1-nitropyrene" 919
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1862
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1863
"Contribution of nitropyrene to the mutagenic activity of coal fly ash" 1343
"Contribution of 1-nitropyrene metabolites to mutagenic activity of diesel particulate" 1100
"Demonstration of microsomal oxygenation of the benzo ring of 6-nitrobenzo(a)pyrene by thin-layer chromatography" 156
"Detection of potential carcinogens, nitro-substituted polynuclear aromatic hydrocarbons, in atmospheric particulates of Beijing area" 548

Nitro-PAH(s) (cont)
"Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence" 176
"Detection of specific nitrogen-containing compounds by room temperature phosphorescence" 1
"Detection of 1-nitropyrene in Yakitori grilled chicken" 1459
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemi luminescent detection" 834
"Determination of nitro-polynuclear aromatic hydrocarbons in diesel soot by liquid chromatography with fluorescence and electrochemical detection" 726
"Determination of nitrogen polycyclic aromatic compounds by high performance liquid chromatography (HPLC) and its application to analysis of the combustion gas of heavy oil" 795
"Determination of polycyclic compounds and their nitro derivatives in exhaust gas particulate by capillary column chromatography" 708
"Determination of polynuclear nitro-aromatic hydrocarbons in airborne particulates with high-performance liquid chromatography" 351
"Determination of 2-nitrofluoranthene and 2-nitropyrene in ambient particulate organic matter: evidence for atmospheric reactions" 451
"Determination of nitro polycyclic hydrocarbons in environmental samples" 269
"Determination of nitrated-polyaromatic hydrocarbons (nitro-PAHs) in environmental samples by high resolution chromatographic techniques" 385
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemiluminescent detection" 2172
"Dinitropyrene-resistant Salmonella typhimurium are deficient in an acetyl-CoA acetyltransferase" 988
"Distributions of nitrogen functional groups in Utah tar sand bitumen and produced oils" 339
"DNA damage induced by nitropyrenes in primary mouse hepatocytes and in rat H4-II-E hepatoma cells" 1623
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
"Effect of aryl hydrocarbon hydroxylase induction on the in vivo covalent binding of 1-nitropyrene, benzo(a)pyrene, 2-aminoanthracene, and phenanthridone to mouse lung deoxyribonucleic acid" 1612
"Effect of nitro substitution on the light-mediated mutagenicity of polycyclic aromatic hydrocarbons in Salmonella typhimurium TA98" 1982

Nitro-PAH(s) (cont)
"Environmental carcinogens in human target tissues in cultures. Progress report" 1393
"Environmental nitroarenes: an attempt to understand their mutagenic and carcinogenic properties" 1796
"Estimation of nitropolycyclic aromatic hydrocarbons in foods" 617
"Fate of nitrogen-containing polycyclic aromatic compounds and microbial mutagenicity in SRC-II products on storage" 2000
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
"Formation of nitroarenes from the reaction of polycyclic aromatic hydrocarbons with dinitrogen pentoxide" 148
"Fungal metabolism and detoxification of 1 nitropyrene" . 867
"Fungal metabolism and detoxification of the nitropolycyclic aromatic hydrocarbon 1-nitropyrene" 868
"Gas-liquid chromatographic analyses. XXXIV. Separation and retention indices with retention increments of some nitrated polynuclear aromatic hydrocarbons on a low-polarity (SE-30) capillary column" 112
"Genetic and quantum chemical basis of the mutagenicity of nitroarenes for adenine-thymine base pairs" 1583
"Health and environmental effects of complex chemical mixtures: Proceedings" 2061
"IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 33: Polynuclear Aromatic Compounds, Pt. 2: Carbon Blacks, Mineral Oils and Some Nitroarene Compounds" 2222
"Identification of nitroarenes in diesel exhaust particulates" 703
"Identification of mutagens generated from gas and liquefied petroleum gas burners" 707
"Identification and quantification of highly mutagenic nitroacetoxypyrenes and nitrohydroxypyrenes in diesel-exhaust particles" 727
"Identification of partially hydrogenated nitrogen-containing polycyclic aromatic hydrocarbons in coal liquids by tandem mass spectrometry" 169
"Identification of the DNA adduct formed by metabolism of 1,8-dinitropyrene in Salmonella typhimurium" 1067
"Identification of trans-1 2 di hydro-1 2 di hydroxy-6 nitro chrysene as a major mutagenic metabolite of 6 nitro chrysene" 1257
"In vivo metabolism, disposition and macromolecular binding of 1-nitro(14C)pyrene vapour-coated onto diesel particulates" 1081
"Induction of rat mammary gland tumors by 1-nitropyrene, a recently recognized environmental mutagen" 1377

Nitro-PAH(s) (cont)
"Isolation of mononitrated polycyclic aromatic hydrocarbons in particulate matter by liquid chromatography and determination by gas chromatography with the thermal energy analyzer" 196
"Isolation, identification and bacterial mutagenicity of 2-nitro-9-fluorenone from diesel-exhaust particle extracts" 1094
"Isomeric mononitrobenzo(a)pyrenes: synthesis, identification and mutagenic activities" 1742
"Metabolism of 1-nitropyrene by cultured rabbit alveolar macrophages and respiratory tract tissues" 1456
"Metabolism of 1-nitropyrene in germ-free and conventional rats" 1458
"Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites" 1286
"Metabolism of 1-[14C]nitropyrene in isolated perfused rat livers" 1120
"Metabolism of 1-nitro[U-4,5,9,10-14C]pyrene in the F344 rat" 1256
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Metabolism of 1,8-dinitropyrene in Salmonella Typhimurium" 1141
"Metabolism of 1-(14C)nitropyrene in respiratory tract tissue of rats exposed to diesel exhaust" 1119
"Metabolism of 1-nitro[14C]pyrene in vivo in the rat and mutagenicity of urinary metabolites" 1084
"Metabolism and genotoxicity of 1-nitropyrene" 1085
"Metabolism of 1,8-dinitropyrene by Salmonella typhimurium" 1140
"Metabolism of nitropolycyclic aromatic hydrocarbons by human intestinal microflora" 869
"Metabolism and macromolecular covalent binding of [14C]-1-nitropyrene in isolated perfused and ventilated rat lungs" 1118
"Metabolism of 1-nitropyrene and 6-nitrobenzo(a)pyrene by intestinal microflora" 866
"Metabolism of nitrated polynuclear aromatic hydrocarbons in living organisms" 1574
"Metabolism of uniformly carbon-14-labeled 1 nitropyrene in the F-344 rat" 895
"Multiple metabolic pathways for the mutagenic activation of 3-nitrobenzo(a)pyrene" 1175
"Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification" 2229
"Mutagenicity and nitropyrene content in indoor air heated with a kerosene heater" 752
"Mutagenicity of 1-nitropyrene metabolites from lung S9" 1457
"Mutagenicity of nitrofluoranthenes, 3-aminofluoranthene and 1-nitropyrene in Chinese hamster V79 cells" 1104

Nitro-PAH(s) (cont)
"Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes" 1083
"Mutagenicity of nitropyrenes for Escherichia coli: requirement for increased cellular permeability" 970
"Nitrated polycyclic aromatic hydrocarbons" 25
"Nitrated polycyclic aromatic hydrocarbons: mutagenic and carcinogenic potency. A review" 1480
"Nitroarenes in Suimon River sediment" 478
"Nitropolynuclear aromatic hydrocarbons - direct-acting mutagens and potential carcinogens recently discovered in the environment" 547
"Nitropyrene: DNA binding and adduct formation in respiratory tissues" 923
"Occurrence of nitro-PAH in the atmosphere in a rural area" 425
"Preparation and characterization of dinitroperylenes" .. 142
"Preparation of pure isomers of di nitro pyrenes" 76
"Quantification of polycyclic aromatic hydrocarbons and nitro-substituted polycyclic aromatic hydrocarbons and mutagenicity testing for the characterization of ambient air particulate matter" 543
"Rat liver subcellular fractions catalyze aerobic binding of 1-nitro[14C]pyrene to DNA" 1086
"Rat and human explant metabolism, binding studies, and DNA adduct analysis of benzo(a)pyrene and its 6-nitro derivative" 1295
"Reactivity of polycyclic aromatic hydrocarbons towards nitrating species" 424
"Relationship between gas chromatographic retention indices and molecular connectivities of nitrated polycyclic aromatic hydrocarbons" 49
"Relationship between polarographic reduction potential and mutagenicity of nitroarenes" 1470
"Role of metabolism on the mutagenicity of nitro arenes" 1582
"Separation and characterization of mononitro derivatives of benzo(a)pyrene benzo(e)pyrene and benzo(g,h,i)perylene" 97
"Separation and analysis of 3-nitro-benzo(e)pyrene and 1-nitro- benzo(a)pyrene, 3-nitro-benzo(a)pyrene and 6-nitro-benzo(a)pyrene via fused silica gas chromatography combined with negative ionization atmospheric pressure ionizationmass spectrometry"..... 111
"Separation of isomers of nitro-polycyclic aromatic hydrocarbons" 67
"Short-term bioassays of nitro derivatives of benzo[a]pyrene and perylene" 1541
"Short-term bioassays of nitro derivatives of benzo(a)pyrene and perylene" 1537
"Sources of nitroaromatic mutagens in atmospheric polycyclic organic matter" 644

Nitro-PAH(s) (cont)
"Structural requirements for the mutagenicity of environmental nitroarenes" 1469
"Structure-activity relationships: their function in biological prediction" 1840
"Structure-activity correlations of selected azaarenes, aromatic amines, and nitroaromatics" 1841
"Structure-activity relationships of 2-X-7 nitrogen dioxide fluorenes in the AMES Salmonella assay" 1954
"Studies on comparative decomposition rate by rat liver homogenate and on micronucleus test of nitrated polycyclic aromatic hydrocarbons" 987
"Synthesis of 4 nitrocyclopenta-cd-pyrene" 44
"Synthesis and mutagenicity of suspected intermediates in the nitroreduction of 1,6- and 1,8-dinitropyrene" 1275
"Synthesis spectral analysis and mutagenicity of 1 3 and 6 nitrobenzo(a)pyrene" 1174
"Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene" 1276
"Systematic nomenclature of the nitrogen, oxygen, and sulfur functional polycyclic aromatic hydrocarbons. ERDA/400301" 119
"Testing of 2,4,5-T-amino acid conjugates for mutagenic activity in salmonella typhimurium strains" 1765
"The in vitro metabolic activation of nitro polycyclic aromatic hydrocarbons" 855
"The identification of nitrated polycyclic aromatic hydrocarbons in diesel particulate extracts and their potential formation as artifacts during particulate collection" 665
"The reduction of nitro polycyclic aromatic hydrocarbons during mass spectrometry" 154
"The role of DNA sequence and structure of the electrophile on the mutagenicity of nitroarenes and arylamine derivatives" 1795
"The orientation of the nitro substituent predicts the direct-acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons" 1285
"Topically applied nitropyrenes are potent inducers of cutaneous and hepatic monooxygenases" 844
"Transplacental and transmammary delivery of 1-nitropyrene in mice" 1391
"Tumor initiating activities of 1-nitropyrene and its nitrated products in SENCAR mice" 1664
"Tumorigenicity and metabolism of 1-nitropyrene in A/J mice" 1258
Nitroaromatic Sorbents
"On-line pre-concentration and liquid chromatography of azaarenes using nitroaromatic sorbents" 141

Nitrogen Compounds
"Effect of catalytic hydrotreatments on the distribution of nitrogen compounds in a coker gas oil and in a deasphalted heavy oil" 686
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds and ozone" 388
Nitrogen Derivatives
"Biotransformation of aromatics: metabolic conversion of nitrogen-containing derivatives of benzo(a)pyrene" 1023
Nitrogen Dioxide
"The effect of nitrogen dioxide on the photochemical and nonphotochemical degradation of pyrene and benzo(a)pyrene adsorbed on coal fly ash" 832
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high- pressure liquid chromatography fractions from wood smoke particle extracts" 1436
"In-vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs" 1911
Nitrogen Fixation
"Effect of polynuclear hydrocarbons on algal nitrogen fixation (acetylene reduction)" 851
Nitrogen Pentoxide
"Reactions of adsorbed pyrene and perylene with gaseous nitrogen pentoxide (N205) under simulated atmospheric conditions" 149
Nitrogenous Components
"Determination of basic nitrogenous components in Shengli (China) and California (USA) straight run diesel fuels (204-360.degree.C) by gas chromatography" 681
Nitromethane Extracts
"Mutagenic activity of urban pollutants 3. The differences in mutagenicity of nitromethane extracts by the height of stations" 2147
Nitropyrene
"Contribution of nitropyrene to the mutagenic activity of coal fly ash" 1343
"DNA single-strand breaks by nitropyrenes and related compounds in Chinese hamster V-79 cells" 1809
"DNA damage induced by nitropyrenes in primary mouse hepatocytes and in rat H4-II-E hepatoma cells" 1623
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
"Identification of mutagens generated from gas and liquefied petroleum gas burners" 707
"In vivo metabolism, disposition and macromolecular binding of 1-nitro(14C)pyrene vapour-coated onto diesel particulates" 1081
"Induction of rat mammary gland tumors by 1-nitropyrene, a recently recognized environmental mutagen" 1377

Nitropyrene (cont)
"Mutagen formation by the photochemical reaction of polycyclic aromatic hydrocarbons with nitrogen oxides" .. 335
"Mutagenicity and nitropyrene content in indoor air heated with a kerosene heater" 752
"Mutagenicity of nitropyrenes for Escherichia coli: requirement for increased cellular permeability" 970
"Nitropyrene: DNA binding and adduct formation in respiratory tissues" 923
"Topically applied nitropyrenes are potent inducers of cutaneous and hepatic monooxygenases" 844
Nitroreduction
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
Nitroso Compounds
"Local application to mouse skin as a carcinogen specific test system for non-volatile nitroso compounds" 1225
Nitrosopyrene
"Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene" 1276
NMR
"Carbon-13 NMR phosphorus-31 NMR studies of the conformation of carcinogen-modified nucleic-acid dimers" 862
Nomenclature
"Systematic nomenclature of the nitrogen, oxygen, and sulfur functional polycyclic aromatic hydrocarbons. ERDA/400301" 119
Non-K-Region Metabolites
"A note on the predominance of non-K-region metabolites of phenanthrene found in bony fishes" 1008
Nonferrous Metals
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
Nonregenerating Limbs
"Studies of the effects of cancer-inducing and -promoting chemicals on newt regenerating and nonregenerating limbs" 1025
Nonregulated Pollutant
"Survey of non-regulated pollutants in ambient air. I" . 551
Nonvolatile Components
"Liquid chromatography separation of non-volatile components of fossil fuels at very high resolution. Final report" 144
Northern Pike
"Subfractionation of the head and trunk kidneys of the Northern Pike (Esox Lucius)" 848

Northern Pike (cont)
"The uptake and distribution of [3H]benzo[a]pyrene in the Northern pike (Esox lucius). Examination by whole-body autoradiography and scintillation counting" . 849
Nose
"Exposure of the hamster alimentary tract to benzo(a)pyrene metabolites produced in the nose" 884
Nostoc
"Mutagenic and plasmid-eliminating action of acridine orange in the cyanobacterium Nostoc" 1485
Nuclear Aberrations
"Inhibition by plant phenols of benzo(a)pyrene-induced nuclear aberrations in mammalian intestinal cells: A rapid in-vivo assessment method" 1966
Nuclear Fractions
"Isolation of nuclear fractions from human fetal tissues ultrastucture and presence of epoxide hydrolase and aryl hydrocarbon hydroxylase" 1704
Nuclei
"Comparative quantitative study of nuclei and nucleoli in cultures of control mouse fibroblasts and transformed fibroblasts using silver nucleolus organizer region staining and scanning microscopy with detection of retrodiffusableelectrons" 1020
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
"The binding of the benzo(a)pyrene metabolites to the DNA of isolated rat liver nuclei and nuclear matrix" 847
Nucleic Acid Complexes
"Conformations of non-covalent and covalent polycyclic aromatic diol epoxide-nucleic acid complexes" 62
Nucleic Acids
"Modification of nucleic acids with 1-nitropyrene in the rat: identification of the modified nucleic acid base" .. 1349
"Covalent binding of metabolites of polycyclic aromatic hydrocarbons to nucleic-acids" 1419
"Spectroscopic studies of the covalent adducts of benzo(a)pyrene-7 8-dihydrodiol 9 10-epoxides and nucleic-acids" 1318
"Condensation of nucleic-acids by intercalating aromatic cations" 933
"Denaturation of nucleic-acids induced by intercalating agents biochemical and biophysical properties of acridine orange-DNA complexes" 932
Nucleoli
"Comparative quantitative study of nuclei and nucleoli in cultures of control mouse fibroblasts and transformed fibroblasts using silver nucleolus organizer region staining and scanning microscopy with detection of retrodiffusableelectrons" 1020

Nucleoprotein(s)
"Polycyclic aromatic hydrocarbon binding macromolecules. Identification, characterization and temperature activation of a 4.5 S binding nucleoprotein" 1864
Numerical taxonomy
"Numerical taxonomy of phenanthrene-degrading bacteria isolated from the Chesapeake Bay" 536
NURP
"Preliminary findings of the priority pollutant monitoring project of the Nationwide Urban Runoff Program" 270
Nutritional Factors
"Nutritional factors in lung, colon, and prostate carcinogenesis in animal models" 1483
NZC-BL Mice
"Carcinogen induced granulosa cell tumors in NZC-BL mice" 1303
Occupational Cancer
"Occupational cancer and chemical structure: Past, present, and future" 2084
Occupational Disease(s)
"Multiple basalioma in an asphalt-laying worker" 2158
"Proportion of lung cancers due to occupational exposure" 2124
"National data tests a cancer risk hypothesis [letter]" . 2126
"Chemical and biological characterization of emissions from a fireperson training facility" 2043
"Carbon black lung as an occupational disease" 2046
"Cancer mortality among workers in a thermoelectric power plant" 2055
"Diesel exhaust exposure and lung cancer: a case--control study" 2085
"Risk of cancer in oven-block workers in carbonization plants - Results of a cohort study" 2114
"Cancer risk from polycyclic hydrocarbons at the workplace: Critical evaluation of recent publication" ... 2031
Occupational Exposure
"Biological effects summary report: Acridine" 1447
"Proportion of lung cancers due to occupational exposure" 2124
"Occupational exposure to polycyclic aromatic hydrocarbons in some New Zealand industries" 2230
"Changes in the cytology of the sputum of workers exposed to carcinogenic hazards" 2162
"Cancer of the tongue and palate following occupational exposure to petroleum products" 2143
"Cytogenetic analysis of peripheral blood lymphocytes in glass workers occupationally exposed to mineral oils" ... 2150
"Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant" .. 2045
"Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood" 2053

Occupational Exposure (cont)
"Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in an anode plant" 2056
"Personnel and plant area monitoring at the University of Minnesota Duluth gasifier. ORNL/TM-8551" 2063
"Flow cytometry of acridine orange stained sperm is a rapid and practical method for monitoring occupational exposure to genotoxicants" 2070
"Carcinogenic polycyclic aromatic hydrocarbonate compounds in working areas" 2071
"Evaluation of the level of exposure to aromatic polycyclic hydrocarbons during electrode production" 2072
"Counting alveolar macrophages (AM) from expectorate samples of exposed workers as a test for lung irritation from occupational exposure" 2082
"Methods of monitoring occupational exposure in aluminum smelters" 2152
"Polycyclic aromatic compounds of environmental and occupational importance - Their occurrence, toxicity and the development of high purity certified reference materials. Part I" 2094
"Exposure to asphalt as the cause of development of skin cancer" 2099
"Testing for mutagens in an aluminum plant. The results of Salmonella typhimurium tests on expectorates from exposed workers" 2104
"Detection of antibodies to benzo(a)pyrene diol epoxide DNA adducts following occupational exposure to benzo(a)pyrene" 2121
"The observation of sister chromatid exchange frequencies in the workers of long term exposure to chemical carcinogens in cancer research laboratory" 2107
"Parental occupational exposure and spontaneous abortions in Finland" 2110
"Occupational exposure to mould lubricants" 2117
Occupational Hazard(s)
"Recent and current toxicology issues in office work" ... 2140
"Changes in the cytology of the sputum of workers exposed to carcinogenic hazards" 2162
"Propellant combustion product analyses on an M16 rifle and a 105mm caliber gun" 2042
"Chemical and biological characterization of emissions from a fireperson training facility" 2043
"Multimethod determination of occupational exposure to polycyclic aromatic hydrocarbons in an aluminum plant" .. 2045
"Open burning of creosote treated rail ties: a case study in health risk assessment" 2047
"Study of workplace pollution by polycyclic aromatic hydrocarbons" 2049
"Possible risk of liver diseases from exposure to bitumen" 2051

Occupational Hazard(s) (cont)
"Polycyclic aromatic hydrocarbons on the inner surfaces of copper tubing. NNWC-TP-6532" 2068
"Occupational health study at the KRW Coal Gasification PDU" 2069
"Risk of contamination of the living and working environment with genotoxic compounds in the processing of black coal tar" 2095
"Synergism in carcinogenesis" 2131
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
"Average daily respiratory intake of polycyclic aromatic hydrocarbons in ambient air determined by capillary gas chromatography" 2115
"Indicators of hazard for polycyclic organic matter NEPA-600/D-84-068" 2118
"Chemical health risks in pressure treatment (of wood). A study of three CCA and 3 creosote treatment plants" ... 2041
Occupational Health
"Occupational health experience with organic addatives" . 2156
"Occupational health and environment research 1983: Health, Safety and Environment Division. Progress report" 2170
"Epidemiological aspects of the polycyclic aromatic hydrocarbons" 2127
"Pyrolytic emissions, profiles of polycyclic aromatic hydrocarbons and lung cancer risk - data and evaluation" 2227
"Chromosomal abnormalities in soft coal open-cast mining workers" 2151
"Behavior of blood gamma glutamyl transferase in workers exposed to hepatoxic agents" 2050
"Occupational health study at the KRW Coal Gasification PDU" 2069
"Respiratory system function in workers engaged in the manufacture of graphite articles" 2075
"Status of respiratory organs of workers in the manufacture of high-carbon ceramics" 2076
"Finding solutions to potential health and environmental problems associated with coal liquefaction materials" ... 2079
"Microclimatic conditions in a medium power station and their effects on human organism" 2081
"Testing for mutagens in filter samples from the work atmosphere of an aluminum plant" 2105
"Health hazards of exposure to coal tar in the aluminium, electrometallurgic and electrochemical industries, and in the manufacture of calcium carbide and calcium silicide" 2034
Occupational Hygiene
"Detection of benzo(a)pyrene diol epoxide-DNA adducts in peripheral blood lymphocytes and antibodies to the adducts in sera from coke oven workers" 2157

Occupational Hygiene (cont)
"Results of health surveillance in bitumen-asphalt workers" 2141
"Measurement of exhaust emissions from diesel-powered forklifts during operations in ammunition storage magazines NPN-3611" 2160
"Benzo(a)pyrene diol epoxide-DNA adducts detected by synchronous fluorescence spectrophotometry" 2161
"Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants" 2167
"Occupational hygiene in the production of recycled aluminum" 2134
Occupational Safety
"Report of the instrumentation panel on future research needs" 2169
"Occupational health and environment research 1983: Health, Safety and Environment Division. Progress report" 2170
"Multi-disciplined approach to the safety evaluation of chemicals with special emphasis on carcinogenic toxicity. The ED01 study" 2226
"Hygiene of work in main shops of modern coking by-product industry" 2101
Ocean
"Determination of benzo(a)pyrene in surface water in some regions of the world's oceans" 520
"Distribution and microbial oxidation of carcinogenic hydrocarbons (as illustrated by benzo(a)pyrene) in some regions of the World's Oceans" 516
"Microbiodegradation of ocean oil pollutants. Part III. Degradation of petroleum hydrocarbons by microorganisms in the ocean" 423
Octanol/Water
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. II: Equilibrium in partition coefficient measurements," 308
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. I: Effect of chromatographic conditions and procedure variables on accuracy andreproducibility of the" 309
"Octanol-water partition coefficient of benzo(a)pyrene: measurement, calculation, and environmental implications" 395
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
"Relationships between octanol-water partition coefficient and aqueous solubility" 415

Ocular Tissues
"Development of an animal model to study the phototoxic effects of anthracene and UV in skin and ocular tissues" 1206
Odorous Volatiles
"GC-MS identification of odorous volatiles in wastewater" 812
Off Shore Drilling
"Identification and quantification of diesel fuel components derived from off-shore drilling operation discharges" 676
Office Work
"Recent and current toxicology issues in office work" ... 2140
Offshore Oil And Gas
"Ecological effects of produced water effluents from offshore oil and gas production platforms" 412
Oil
"Analysis of polycyclic aromatic compounds in oil" 602
"Chemical and biological evaluation of oils and tars produced under various coal devolatilization conditions" 790
"Determination of polynuclear aromatic hydrocarbons in petroleum oils by combination of thin-layer chromatography and gas chromatography-mass spectrometry" 767
"Distributions of nitrogen functional groups in Utah tar sand bitumen and produced oils" 339
"Effects of autumn application of oil on Spartina alterniflora in a Texas salt marsh" 535
"Environmental effects of the use of oil-based drilling muds in the North Sea" 276
"Microbiodegradation of ocean oil pollutants. Part III. Degradation of petroleum hydrocarbons by microorganisms in the ocean" 423
"Use of oil contaminated water for irrigation of vegetables" 755
Oil Exploration
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401
Oil Furnaces
"Emissions from oil-fired domestic furnaces" 575
Oil Production
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
Oil Recycling
"The fate of hazardous wastes in used oil recycling" 591

Oil Shale
"Combustion of oil shale, fluidized coal and pyrolysis fuel oil residues in a stationary gas turbine" 706
"Risk analysis of hazardous materials in oil shale" 2218
Oil Shale Facility
"Industrial hygiene sampling at Rio Blanco oil shale facility. 2. Sampling during burn of retort one" 2086
Oil Shale Industry
"Public health risks from an oil shale industry" 2125
Oil Shale Retorting
"Formation and transformation of particulate polycyclic organic matter emitted from coal-fired power plants and oil shale retorting Final report" 745
Oil Spill
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
Oil Storage Tanks
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
Oil-Based Drilling Muds
"Environmental effects of the use of oil-based drilling muds in the North Sea" 276
Oil-Fired Power Plants
"Emission inventory of coal, peat and oil-fired power plants" 758
Oil-Water Separating Tanks
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
Oily Hazardous Waste
"Small-scale field evaluations of land treatment of an oily hazardous waste" 2196
Oily Sludge
"Fate of hydrocarbons during oily sludge disposal in soil" 253
On-line Instrumentation
"On-line instrumentation for the real-time monitoring of polynuclear aromatic hydrocarbons in the effluents from a fluidized bed combustor - A feasibility study. ERDA/440300" 42
Oncofetal Protein
"Chemical carcinogens as specific inducers of a 60-kilodalton oncofetal protein in rats" 1335
"A 60-kilodalton oncofetal protein induction in rats by chemical carcinogens" 1336
"Immunological identity of a 60 kd oncofetal protein induced in rats by chemical carcinogens and released by transformed cells" 910

Oil Shale
"Combustion of oil shale, fluidized coal and pyrolysis fuel oil residues in a stationary gas turbine" 706
"Risk analysis of hazardous materials in oil shale" 2218
Oil Shale Facility
"Industrial hygiene sampling at Rio Blanco oil shale facility. 2. Sampling during burn of retort one" 2086
Oil Shale Industry
"Public health risks from an oil shale industry" 2125
Oil Shale Retorting
"Formation and transformation of particulate polycyclic organic matter emitted from coal-fired power plants and oil shale retorting Final report" 745
Oil Spill
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
Oil Storage Tanks
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
Oil-Based Drilling Muds
"Environmental effects of the use of oil-based drilling muds in the North Sea" 276
Oil-Fired Power Plants
"Emission inventory of coal, peat and oil-fired power plants" 758
Oil-Water Separating Tanks
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
Oily Hazardous Waste
"Small-scale field evaluations of land treatment of an oily hazardous waste" 2196
Oily Sludge
"Fate of hydrocarbons during oily sludge disposal in soil" 253
On-line Instrumentation
"On-line instrumentation for the real-time monitoring of polynuclear aromatic hydrocarbons in the effluents from a fluidized bed combustor - A feasibility study. ERDA/440300" 42
Oncofetal Protein
"Chemical carcinogens as specific inducers of a 60-kilodalton oncofetal protein in rats" 1335
"A 60-kilodalton oncofetal protein induction in rats by chemical carcinogens" 1336
"Immunological identity of a 60 kd oncofetal protein induced in rats by chemical carcinogens and released by transformed cells" 910

Oncogenes
"Activation of K-ras and oncogenes other than ras family in rat fibrosarcomas induced by 1,8-dinitropyrene" 1687
"Molecular characterization of oncogenes in guinea-pig lines chemically initiated in-vitro acquisition of tumorigenicity is associated with activated Ras related oncogenes" 1240
"Oncogene of sarcomas induced by 1-8-dinitropyrene in rats" 1686
Oncogenic Potency
"Comparison between photo-induction and microsomal activation of polycyclic hydrocarbons with different oncogenic potency" 1748
Oncorhynchus kisutch
"Hepatic aryl hydrocarbon hydroxylase activities in coho salmon (Oncorhynchus kisutch) exposed to petroleum hydrocarbons" 880
Oocyte Number
"The effect of intraovarian injection of benzo(a)pyrene on primordial oocyte number and ovarian aryl hydrocarbon [benzo(a)pyrene] hydroxylase activity" 1002
Open Ocean Disposal
"Contained dredged material for open ocean disposal" 2180
Open Stripping System
"Optimization of the open stripping system for the analysis of trace organics in water" 24
Optical Isomer
"High stereoselectivity among the optical isomers of the diastereomeric bay-region diol-epoxides of benz(a)anthracene in the expression of tumorigenic activity in murine tumor models" 1520
Oral Absorption
"Urinary excretion of 3-hydroxy-benzo[a]pyrene after percutaneous penetration and oral absorption of benzo[a]pyrene in rats" 928
Oral Carcinogenesis
"The inhibitory effect of 4 chemicals on experimental oral carcinogenesis" 1594
Oral Epithelium
"In-vitro studies of normal and carcinogen-treated oral epithelium" 1988
Oral Mucosa
"A method for assaying aryl hydrocarbon hydroxylase in man using fibroblasts cultured in vitro from oral mucosa" 1097
Organic Additives
"Occupational health experience with organic addatives" . 2156
Organic Glasses
"Fluorescence line narrowing spectrometry: Applications to polynuclear aromatic compounds in organic glasses. ERDA/400104" 128

Organic Mixtures
"Sample enrichment for gas chromatographic-mass spectrometric analysis of polynuclear aromatic hydrocarbons in water and in organic mixtures" 30
"Toxicity of organic mixtures saturated in water to Daphnia magna. Effect of compositional changes" 1896
Organoselenium Compounds
"Effects of organoselenium compounds on induction of mouse forestomach tumors by benzo(a)pyrene" 1254
"Inhibition of benzo(a)pyrene-induced mouse forestomach tumorigenesis by organoselenium compounds" 1255
Ornithine Decarboxylase
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205
Osmotic Fragility
"The life span and osmotic fragility of erythrocytes in mice bearing benzo(a) pyrene - induced fibrosarcoma" 1769
Osmotic Stress
"Quantitative structure-toxicity relationships with osmotically stressed Artemia salina nauplii" 1279
Osmotic-sensitive Mutants
"Osmotic-sensitive mutants of Saccharomyces cerevisiae as screening organisms for promutagens and procarcinogens" 1629
Outdoor Air
"The effects of residential wood combustion on indoor and outdoor air quality: a case study in Waterbury, Vermont" 775
Ovarian Toxicity
"Experimental ovarian toxicity following intraovarian injection of benzo(a)pyrene or its metabolites in mice and rats" 1915
Oven-Block Workers
"Risk of cancer in oven-block workers in carbonization plants - Results of a cohort study" 2114
Overland Flow Treatment
"Toxic organics removal kinetics in overland flow land treatment" 2190
Overland Flow
"Removal of toxic organics by overland flow" 2210
Ovotoxicity
"Murine strain differences in ovotoxicity following intraovarian injection with benzo(a)pyrene, (+)-(7R,8S)-oxide, (-)-(7R,8R)- dihydrodiol, or (+)-(7R,8S)-diol-(9S,10R)-epoxide-2" 1914
Ovulation
"Benzo(a)pyrene inhibits ovulation in C57BL/6N mice" 1902

Oxidation
"Bacterial oxidation of acenaphthylene and acenaphthene" 479
"Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel (Mytilus edulis) and other bivalve mollusc species from the western North Atlantic" 1014
"Distribution and microbial oxidation of carcinogenic hydrocarbons (as illustrated by benzo(a)pyrene) in some regions of the World's Oceans" 516
"Formation and destruction of organic pollutants in thermal systems and flames" 711
"Oxidation of phenanthrene by the marine Cyanobacterium Agmenellum- Quadruplicatum strain PR-6" 982
"Oxidation of persistent environmental pollutants by a white rot fungus" 2179
"Oxidation of benzo(a)pyrene and 7,8-dihydro-7,8-dihydroxybenzo(a)pyrene by horseradish peroxidase-hydrogen peroxide intermediate: fluorometric study" 2009
"Oxidative losses of anthracene acenaphthylene and benzo(a)pyrene during florisil and silica gel cleanup using diethyl ether containing peroxides" 124
"The generation of oxidation products of benzo(a)pyrene by lipid peroxidation" 66
Oxidative Drug Metabolism
"In vitro and in vivo activation of oxidative drug metabolism by flavonoids" 1501
Oxidized Nitrogen Compound
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds" 126
Oxy-PAH(s)
"A critical review of nitro- and oxy-PAH compounds in the atmosphere" 292
"Identification of oxygenated polycyclic aromatic hydrocarbons in diesel particulate matter by capillary gas chromatography and capillary gas chromatography/mass spectrometry" 772
"Stereoselectivity of cytochrome P-450-C in the formation of naphthalene and anthracene 1 2-oxides" 200
"Systematic nomenclature of the nitrogen, oxygen, and sulfur functional polycyclic aromatic hydrocarbons. ERDA/400301" 119
Oxygen Compounds
"Systematic nomenclature of the nitrogen, oxygen, and sulfur functional polycyclic aromatic hydrocarbons. ERDA/400301" 119
Oxygen Consumption Rates
"Oxygen consumption rates of grunion (Leuresthes tenuis) embryos exposed to the petroleum hydrocarbon, benzo[a]pyrene" 918

Oyster(s)
"Organic sulfur compounds and polycyclic hydrocarbons transferred to oyster and mussel from petroleum suspension. Identification by gas chromatography and capillary mass chromatography" 433
"Polynuclear aromatic hydrocarbons in oyster tissue around three coastal marinas" 398
"Simultaneous accumulations of naphthalene, a PCB mixture, and benzo(a)pyrene, by the oyster, Crassostrea virginica" 897
"Variation in tissue burdens of polycyclic aromatic hydrocarbons in indigenous and relocated oysters" 450
Ozone
"Conversion of polycyclic aromatic hydrocarbons on diesel particulate matter upon exposure to PPM levels of ozone" 813
"Fluorescence spectroscopic study of reactions between gaseous ozone and surface-adsorbed polycyclic aromatic hydrocarbons" 545
"In-vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs" 1911
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds and ozone" 388
P388F Mouse Lymphoma
"Suitability of the P388F mouse lymphoma system for detecting potential carcinogens and mutagens" 1063
Packing Materials
"Prediction of retention indices of the polynuclear aromatic hydrocarbons. Part 1. HPLC on nitrogen containing normal phase packing materials. ERDA/400105" 101
PAH Geochemistry
"Aspects of the polycyclic aromatic hydrocarbon geochemistry of recent sediments in the Georges Bank region" 251
PAH Mixtures
"Evaluation of multiwavelength first- and second-derivative spectra for the quantitation of mixtures of polynuclear aromatic hydrocarbons" 191
"Prospects for the analysis of mixtures of polycyclic aromatic compounds by differential pulse voltammetry" ... 192
PAH Vapors
"Influence of volatility on the collection of polycyclic aromatic hydrocarbon PAH vapors with polyurethane foam" . 227
Paint
"Mutagenicity of coal tar paints used in drinking water distribution systems" 1867
Palate Cancer
"Cancer of the tongue and palate following occupational exposure to petroleum products" 2143

Pancreas
"Pancreatic amylase as a tumor marker for pancreatic cancer" 1374
Panulirus argus
"Temperature-dependent disposition of [14C]benzo(a)pyrene in the spiny lobster, Panulirus argus" 961
"Catalytic properties of cytochrome P 450 in hepatopancreas of the spiny lobster, Panulirus argus" ... 925
Papillomas
"Effects of the anti androgen cyproterone acetate on the induction of papillomas DNA synthesis and ornithine decarboxylase activity in the mouse skin" 1205
"Induction of papillomas with a high probability of conversion to malignancy" 1371
Paraffin
"Analysis of foods (additives). Determination of 3,4-benzpyrene in liquid paraffin and paraffin wax" 569
Paralichthys lethostigma
"Benzo(a)pyrene metabolism in hepatic microsomes from feral and 3-methycholanthrene-treated southern flounder, Paralichthys lethostigma" 960
Paratanytarsus
"Insect interlaboratory toxicity test comparison study for the chironomid (Paratanytarsus) procedure" 1513
Parophrys vetulus
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 967
Particle Dispersal
"Chemical evidence of differential particle dispersal in the southern Washington coastal environment" 454
Particle Scavenging
"Trace organic compounds in rain - III. Particle scavenging of neutral organic compounds" 387
Particle Size Distribution
"Characteristic parameters of particle size distributions of primary organic constituents of ambient aerosols" 814
Particulates
""Atmospheric" reactivity of particulate polycyclic aromatic hydrocarbons collected in an urban tunnel" 413
"A major wintertime (1983) pollution episode: analysis of the accumulation and partial distribution of the organic fraction" 389

Particulates (cont)
"A major wintertime (1983) pollution episode in northern New Jersey: Analyses of the accumulation and spatial distribution of inhalable particulate matter, extractable organic matter and other species" 390
"A comparison between different high volume sampling systems for collecting ambient airborne particles for mutagenicity testing and for analysis of organic compounds" 5
"A human cell line sensitive to mutation by particle-borne chemicals" 1188
"Ambient air monitoring study of residential woodburning in Mio, Michigan" 628
"Ambient total suspended particulate matter and benzo(a)pyrene concentrations from residential wood combustion in a mountain resort community" 421
"Ames assay chromatograms and the identification of mutagens in diesel particle extracts" 1816
"Analysis of nitro-PAHs in diesel exhaust particulate extracts with multicolumn HPLC" 719
"Analysis of polycyclic aromatic hydrocarbons in air particulate matter from a lightly industrialized urban area" 609
"Analysis of organic pollutants in airborne particulate matter in Taiyuan area" 558
"Analysis of polynuclear aromatic hydrocarbons in particulate matter by luminescence techniques" 347
"Analysis of polynuclear aromatic hydrocarbons in particulate matter by luminescence techniques" 287
"Analytical investigation on the contents of polycyclic aromatic hydrocarbons in airborne particulate matter from two Bavarian cities" 496
"Analytical method for polynuclear aromatic hydrocarbons in airborne particulates by high performance liquid chromatography" 174
"Aryl hydrocarbon hydroxylase induction in rat pulmonary alveolar macrophages (PAMs) by diesel particulates and their extracts" 874
"Atmospheric residence time of carbonaceous particles and particulate PAH-compounds" 420
"Changing pattern of mutagens in airborne particulates in Lanzhou City" 512
"Characterization of organic compounds on airborne particles" 264
"Characterization of polycyclic organic matter in urban air particulate matter by gas chromatography-electron impact and negative ion chemical ionization mass spectrometry" 463
"Characterization of polycyclic aromatic hydrocarbons in air particulate extracts by liquid gas chromatographic methods" 405

Particulates (cont)
"Characterization of particle composition, organic vapor constituents, and mutagenicity of indoor air pollutant emissions" 2144
"Chemical and biological characterization of organic material from gasoline exhaust particles" 565
"Chemical and mutagenic analysis of extracts of airborne particulates at industrial region" 1177
"Chemical and biological properties of diesel exhaust particles collected during selected segments of a simulated driving cycle" 1093
"Collection methods and aerial deposition predictions for polycyclic aromatic hydrocarbons" 249
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
"Contribution to bacterial mutagenicity from nitro-PAH compounds in ambient aerosols" 1862
"Control of pollutants from woodburning stoves in the indoor environment" 687
"Cooperative evaluation of methods for the analysis of PAH in extracts from diesel particulate emissions" 52
"Correlations among atmospheric elements, airborne particulate matter, benzene extracts, benzo(a)pyrene, nitric oxide, nitrogen dioxide, and sulfur dioxide concentrations in Japan" 300
"Cytotoxicity of fine particles with and without adsorbed polycyclic aromatic hydrocarbons using Chinese hamster lung cells (V79)" 2027
"Detection of potential carcinogens, nitro-substituted polynuclear aromatic hydrocarbons, in atmospheric particulates of Beijing area" 548
"Determination of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter and diesel fuel oil" .. 749
"Determination of 1-nitropyrene by thin-layer chromatography in a diesel exhaust particulate extract" . 593
"Determination of polycyclic compounds and their nitro derivatives in exhaust gas particulate by capillary column chromatography" 708
"Determination of 23 polycyclic aromatic hydrocarbons in atmospheric particulate matter of the Paris area and photolysis by sunlight" 419
"Determination of polynuclear nitro-aromatic hydrocarbons in airborne particulates with high-performance liquid chromatography" 351
"Determination of 2-nitrofluoranthene and 2-nitropyrene in ambient particulate organic matter: evidence for atmospheric reactions" 451
"Determination of vapor pressure of polycyclic aromatic hydrocarbons in the supercooled liquid phase and their adsorption on airborne particulate matter" 221

Particulates (cont)
"Determination of nitrated polycyclic aromatic hydrocarbons in diesel particulates by gas chromatography with chemiluminescent detection" 2172
"Distribution of polycyclic aromatic hydrocarbons in airborne particulates of various sizes" 696
"Diurnal variation of polycyclic aromatic hydrocarbons in atmospheric suspended particulates from the Beijing area" 559
"Effect of prolonged exposure to carbon black particles on the pulmonary clearance of inhaled diesel particles" . 1510
"Effect of particulates on metabolism and mutagenicity of benzo[a]pyrene." 1105
"Effects of vapor pressure of polycyclic aromatic hydrocarbons on their adsorption/desorption between vapor phase and particulate phase in ambient air" 553
"Emission rates from unvented gas appliances" 699
"Environmental assessment of a firetube boiler firing coal/oil/water mixtures. Volume 1. Technical results NACUREX/TR-81-89/EE - VOL-1" 618
"Evaluation of the mutagenicity and the identification of airborne particulate extracts by a gas chromatography-mass spectrometry computer data system" . 226
"Evidence for the formation of mutagenic aerosols from secondary atmospheric reactions" 312
"Factors which influence PAH decomposition on wood smoke particles" 357
"Factors which influence polycyclic aromatic hydrocarbon decomposition on wood smoke particles" 358
"Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples" 211
"Formation and transformation of particulate polycyclic organic matter emitted from coal-fired power plants and oil shale retorting Final report" 745
"Formation of large molecules, particulates and ions in premixed hydrocarbon flames; progress and unresolved questions" 679
"Fractionation and chemical analysis of gasoline exhaust particulate extracts in connection with biological testing" 566
"Fractionation of diesel particle extracts by sephadex LH-20 and thin-layer chromatography" 20
"Fractionation of diesel particle extracts by sephadex LH-20 and thin-layer chromatography" 20
"Gas-liquid chromatographic determination of polycyclic aromatic hydrocarbons in airborne particulates" 189
"Gaseous and particulate polycyclic aromatic hydrocarbons (PAH) from the marine atmosphere" 399

Particulates (cont)
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477
"Hygienic (and chemical) evaluation of settling dust" ... 2102
"Identification of oxygenated polycyclic aromatic hydrocarbons in diesel particulate matter by capillary gas chromatography and capillary gas chromatography/mass spectrometry" 772
"Identification of nitroarenes in diesel exhaust particulates" 703
"Identification of particulate polycyclic aromatic hydrocarbon sources in the urban atmosphere" 400
"Immission measurements in forested areas of the Eggegebirge and the Eifel" 756
"Impact of residential wood combustion or measured particulate and PAH concentrations in Whitehorse, YT" ... 732
"Indoor air quality in Bombay, India with respect to respirable particulates, benzo(a)pyrene & sulfates" 278
"Industrial hygiene monitoring of gaseous, liquid and particulate matter releases at the Catlettsburg, Kentucky H-coal facility: Results and evaluation" 2171
"Investigation of heterogeneous reactions of PAH's on particle surfaces using laser microprobe mass analysis" . 140
"Investigation of absorption, metabolism kinetics and DNA-binding of intratracheally administered benzo[a]pyrene in the isolated, perfused rat lung: a comparative study between microcrystalline and particulate adsorbed benzo[a]pyrene"..... 1934
"Isolation of mononitrated polycyclic aromatic hydrocarbons in particulate matter by liquid chromatography and determination by gas chromatography with the thermal energy analyzer" 196
"Laser microprobe mass analysis of refinery source emissions and ambient samples" 623
"Laser microprobe mass spectrometry of environmental soot particles" 404
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in air particulate extracts" 406
"Lung retention and metabolic fate of inhaled benzo(a)pyrene associated with diesel exhaust particles." 1900
"Measurements of polycyclic aromatic hydrocarbons in ambient air particulates in Northern New England" 340
"Metabolism, mutagenicity, and activation of 1-nitropyrene in vivo and in vivo" 1082
"Microcolumn liquid chromatography combined with computer-assisted retention prediction system for polycyclic aromatic hydrocarbons in an extract from diesel particulate matter" 697

Particulates (cont)
"Monitoring method for airborne polycyclic aromatic hydrocarbons" 195
"Morphology and chemical composition of some fly ash samples from the TNO's atmospheric fluidized bed boiler test facility" 641
"Multimedia transport of particle-bound organics: benzo(a)pyrene test case" 473
"Mutagenic activity of solid emissions of different combustion systems" 1099
"Mutagenic activity of airborne particulates sampled in Berlin (West)" 2006
"Mutagenicity and benzo(a)pyrene contents in soils in Sendai City Japan influences of particulate substances produced by studded tires of automobiles" 796
"Mutagenicity and chemical characterization of organic constituents in rice straw smoke particulate matter" 731
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particulates in Tokyo Japan and Beijing China" 428
"Mutagenicity and chemical analysis of airborne particulates from a rural area in Italy" 1771
"Mutagenicity and polynuclear aromatic hydrocarbon contents of airborne particles in Tokyo Japan and Beijing China" 1675
"Outline and mutagenicity of PAH (polynuclear aromatic hydrocarbons) in the whole extract of emissive dust samples" 1906
"Photolysis of polycyclic aromatic hydrocarbons adsorbed on simulated atmospheric particulates" 246
"Polar polynuclear aromatic hydrocarbon derivatives in extracts of particulates: biological characterization and techniques for chemical analysis" 171
"Polynuclear aromatic hydrocarbons in the ambient air of Delhi (India)" 365
"Potential toxicity of urban inert airborne particles" .. 1274
"Preservation of benzo(a)pyrene in airborne particulate" 224
"Problems in sampling the polycyclic aromatic hydrocarbons and air-dispersed particles" 153
"Quantification of polycyclic aromatic hydrocarbons and nitro-substituted polycyclic aromatic hydrocarbons and mutagenicity testing for the characterization of ambient air particulate matter" 543
"Quantitation of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter by high-performance liquid chromatography fractionation and high-resolution gas chromatography" 803
"Quantitative biological and chemical analysis of particulate emissions from diesel and internal-combustion engines" 787

Particulates (cont)
"Quantitative analysis of polycyclic aromatic compounds in diesel exhaust particulate extracts by combined chromatographic techniques" 805
"Rapid sampling and analysis of volatile constituents of airborne particulate matter" 316
"Report of the instrumentation panel on future research needs" 2169
"Role of airborne particulate matter components on photochemical degradation of pyrene, benzoanthracene and benzo(a)pyrene. A preliminary report" 523
"Sampling ambient air for mutagenicity testing by high-volume filtration on glass-fiber filters and on XAD-2" 4
"Similarity of some organic compounds in spark-ignition and diesel engine particulate extracts" 581
"Size distribution of benzo(a)pyrene in airborne particulates" 384
"Sources of indoor particulates in an area where residential wood combustion is prevalent" 688
"Spectral fingerprinting of polycyclic aromatic hydrocarbons in high-volume ambient air samples by constant energy synchronous luminescence spectroscopy" . 105
"Spectrofluorometric determination of benzo(a)pyrene in environmental airborne particulates and soils" 504
"Studies on correlations among air pollutants" 552
"Studies on chemical compositions of airborne particulates collected by the 10.mu.m cutoff low-volume air sampler. IV" 484
"Summertime variations in polycyclic aromatic hydrocarbons at four sites in New Jersey" 328
"Survey of direct analysis methods for organic compounds in particulate matter. NEPA-600/4-84-016" 3
"The ratio of benzo(a)pyrene to particulate matter in smoke from prescribed burning" 825
"The identification of nitrated polycyclic aromatic hydrocarbons in diesel particulate extracts and their potential formation as artifacts during particulate collection" 665
"The contribution of residental wood combustion to ambient air pollution in Nashville, Tennessee - a case study" 689
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
"Thermal desorption techniques for gas chromatographic analysis of particulate matter" 110

Particulates (cont)
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds" 126
"Validating a simplified determination of benzo(a)pyrene in particulate matter from prescribed forestry burning" . 824
Partition Coefficient
"Partition coefficients as a measure of bioconcentration potential of crude oil compounds in fish and shellfish" . 434
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. II: Equilibrium in partition coefficient measurements," 308
"Accurate, wide-range, automated, high-performance liquid chromatographic method for the estimation of octanol/water partition coefficients. I: Effect of chromatographic conditions and procedure variables on accuracyand reproducibility of the" 309
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
"Simple method of computing the partition coefficient" .. 368
"Prediction of partition coefficients of unsubstituted polycyclic aromatic hydrocarbons from Csub 1sub 8 chromatographic and structural properties" 471
"Octanol-water partition coefficient of benzo(a)pyrene: measurement, calculation, and environmental implications" 395
"Relationships between octanol-water partition coefficient and aqueous solubility" 415
"A quantitative structure-activity relationship between partition coefficients and the acute toxicity of naphthalene derivatives in Artemia salina Nauplii" 1278
Partitioning
"Partitioning studies of coal-tar constituents in a two-phase contaminated groundwater system" 768
"Photolytic and partitioning behavior of polynuclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 757
"Photolytic and partitioning behavior of polynuclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 757
"Photolytic and partitioning behaviour of polynyclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 448
"The effects of dissolved organic matter on the aqueous partitioning of polynuclear aromatic hydrocarbons" 537
Passenger Cars
"Trace gas emissions in the exhausts of passenger cars" . 735
Pastry Ovens
"Purity of atmospheric emissions of bakery and pastry ovens using gas fuel" 759

Pathology
"Pathology of gill and liver tissues from genera of fishes exposed to 2 coal-derived materials" 1017
Pathway
"Arachidonic acid-dependent cooxidation. A potential pathway for the activation of chemical carcinogens in vivo" 945
"Benzo(a)pyrene:DNA adduct formation in early-passage Wistar rat embryo cell cultures: evidence for multiple pathways of activation of benzo(a)pyrene" 1750
"Metabolic activation pathways of cyclopenta-fused PAH (polycyclic aromatic hydrocarbons) and their relationship to genetic and carcinogenic activity" 1660
Pattern Recognition
"Monitoring polycyclic aromatic hydrocarbons. An environmental application of fuzzy c-varieties pattern recognition" 70
"Pattern recognition, a tool for studying the correlation between carcinogenicity of a polyaromatic hydrocarbon and the structure of the molecule" 1246
"Physiological and chemical basis of the diregion theory and pattern recognition of carcinogenic activities of polycyclic aromatic hydrocarbons" 1154
Peat Fuelled Plants
"Flue gas emission from peat fuelled plants - A literature review" 751
Peat-Fired Power Plants
"Emission inventory of coal, peat and oil-fired power plants" 758
Pelagic Systems
"Approaches to modeling the fate and effects of toxicants in pelagic systems" 262
Penaeus stylirostris
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
Penetration
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 2. Behavior of penetration and persistence of crude oil hydrocarbons in tidal flat sediments after artificial contamination"..... 525
"Kinetics of benzo(a)pyrene penetration into the mouse skin after treatment with various phenols" 1854
"Kinetics of benzo(a)pyrene penetration into the skin of mice under the influence of different phenols" 1853
Penobscot Bay
"The distribution of polycyclic aromatic hydrocarbons in the surficial sediments of Penobscot Bay (Maine USA) in relation to possible sources and to other sites worldwide" 353

Peonol
"Effects of cucurbitacin B and peonol on the metabolism of benzo(a)pyrene in the microsome of rat liver" 1388
Percutaneous Penetration
"Urinary excretion of 3-hydroxy-benzo[a]pyrene after percutaneous penetration and oral absorption of benzo[a]pyrene in rats" 928
Perinatal Development
"Metabolism of benzo[a]pyrene by mouse brain microsomes during perinatal development" 1799
Perinatal Period
"Influence of glucocorticoids and polycyclic aromatic hydrocarbons on hepatic drug-metabolizing enzyme development during the perinatal period" 953
Periodic Depuration
"Periodic depuration of anthracene metabolites by rainbow trout" 957
Periwinkle
"Responses of cytochrome P-450 monooxygenase system to diesel oil in the common mussel Mytilus-edulis and the periwinkle Littorina littorea" 963
Permissible Concentrations
"Permissible concentrations of dangerous substances in the air of the workplace" 2212
Permitted Discharge
"Hydrocarbons in the sediments of Port Valdez, Alaska: consequences of five years' permitted discharge" 487
Peroxidation Activity
"Changes in the peroxidation activity of immunocyte and hepatocyte biomembrane lipids after administration of low-molecular-weight immunomodulators" 1291
Peroxidizing Fatty Acids
"The formation of mutagenic derivatives of benzo[a]pyrene by peroxidising fatty acids" 1589
Perphenazine
"Effects of dietary lipid saturation on prolactin secretion carcinogen metabolism and mammary carcinogenesis in rats" 1178
Persistence
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 2. Behavior of penetration and persistence of crude oil hydrocarbons in tidal flat sediments after artificial contamination"..... 525
"Fate of nitrogen-containing polycyclic aromatic compounds and microbial mutagenicity in SRC-II products on storage" 2000
"Formation and persistence of benzo(a)pyrene metabolite-DNA adducts" 1894

Persistence (cont)
"Life span of benzo(a)pyrene in soil after multiple applications with soil dust particles" 489
"Persistence and fate of polynuclear aromatic hydrocarbons deposited on slash burn sites in the Cascade Mountains and Coast Range of Oregon" 497
"Persistence of BaP:DNA and BaP:protein adducts in mouse and rat skin" 1792
"Persistence of benzo(a)pyrene metabolite:DNA adducts in lung and liver of mice" 1484
"Persistence of DNA adducts of 7 8 dihydroxy-9 10-oxy-7 8 9 10- tetrahydrobenzo(a)pyrene in lymphocytes of nonsmokers smokers and patients with bronchial carcinoma" 1072
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
Perylene
"Molecular-shape recognition of polycyclic aromatic hydrocarbons in reversed phase liquid chromatography" ... 92
"Mutagenicity of pyrolyzates of natural substances on Salmonella- typhimurium TA-97" 1811
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Petroleum distillates suppress in vitro metabolic activation: higher [S-9] required in the Salmonella/microsome mutagenicity assay" 1160
"Reactions of adsorbed pyrene and perylene with gaseous nitrogen pentoxide (N2O5) under simulated atmospheric conditions" 149
"Sensitivity of schemes for ecotoxicological hazard ranking of chemicals" 1462
"Short-term bioassays of nitro derivatives of benzo(a)pyrene and perylene" 1537
"Short-term bioassays of nitro derivatives of benzo[a]pyrene and perylene" 1541
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. II Laboratory studies" 446
"The effects of pressure and cholesterol on rotational motions of perylene in lipid bilayers" 876
"Time-resolved fluorescence anisotropies of diphenylhexatriene and perylene in solvents and lipid bilayers obtained from multifrequency phase-modulation fluorometry" 117
Petrochemical Wastewater
"Decreasing polycyclic hydrocarbon content in petrochemical wastewater by using activated carbon" 2191

Petroleum
"Cancer of the tongue and palate following occupational exposure to petroleum products" 2143
"Components in petroleum refinery wastewaters" 682
"Determination of polynuclear aromatic hydrocarbons in petroleum oils by combination of thin-layer chromatography and gas chromatography-mass spectrometry" 767
"Determination of basic nitrogen-containing polycyclic aromatic compounds (azaarenes) in petroleum and petroleum products" 652
"Determination of isomeric aromatic compounds in natural extract samples (petroleum, sediment, aerosol) by high resolution fluorometry" 306
"Distribution of carbazole derivatives in petroleum" 621
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Hepatic aryl hydrocarbon hydroxylase activities in coho salmon (Oncorhynchus kisutch) exposed to petroleum hydrocarbons" 880
"Mutagenicity and chemical characterization of two petroleum distillates" 1159
"Organic matter of the troposphere. III. Characterization and sources of petroleum and pyrogenic residues in aerosols over the western United States" ... 779
"Organic sulfur compounds and polycyclic hydrocarbons transferred to oyster and mussel from petroleum suspension. Identification by gas chromatography and capillary mass chromatography" 433
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Petroleum distillates suppress in vitro metabolic activation: higher [S-9] required in the Salmonella/microsome mutagenicity assay" 1160
"Photochemistry of petroleum in water" 442
"Pluronic polyol F-127 as an effective vehicle for petroleum hydrocarbons in the Salmonella and microsomal assay" 1564
"Rates of microbial degradation of petroleum components as determined by computerized capillary gas chromatography and computerized mass spectrometry" 439
"Selective aerobic degradation of methyl-substituted polycyclic aromatic hydrocarbons in petroleum by pure microbial cultures" 244
"Study of components in petroleum refinery wastewaters" . 683
Petroleum Aromatic Extract
"Carcinogenic potential of hydrotreated petroleum aromatic extracts" 1235

Petroleum Crude Oil
"Application of perdeuterated polycyclic aromatic hydrocarbons (PAH) as international standards for the liquid chromatographic determination of PAH in petroleum crude oil and other complex mixtures" 108
Petroleum Gas Burners
"Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquified petroleum gas burners" 802
Petroleum Refining
"Characterization of polynuclear aromatic hydrocarbons in petroleum refining localities. Progress report, December 1, 1983 - November 30, 1984" 821
Petroleum Storage Tank
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
Petroleum Tar Pitches
"Analysis of polycyclic aromatics in coal-tar and petroleum tar pitches by field desorption mass spectroscopy" 794
Petroleum Wastes
"Degradation of soil applied organic compounds from three petroleum wastes" 266
Peyer's Patch
"Role of the Peyer's patches in carcinogenesis of lymphocytes by polycyclic aromatic hydrocarbons" 1126
Phagocytosis
"Influence of phagocytosis of benzo(a)pyrene (BaP) coated ferric oxide (Fesub 2Osub 3) on benzo(a)pyrene metabolism by pulmonary alveolar macrophages (PAM)" 1319
Pharmacokinetics
"Comparative kinetics of oral benz(a)anthracene, chrysene and triphenylene in rats: study with hydrocarbon mixtures" 1091
"Cytotoxic and mutagenic effects of 1-nitropyrene and 1-nitrosopyrene in diploid human fibroblasts" 1718
"Effects of a strong and a weak carcinogen on murine alpha/beta interferon production in vivo." 1702
"Potential anti tumor agents 42. Structure activity relationships for acridine substituted di methyl phosphoramidate derivatives of 9 anilino acridine" 1782
"Quantitative microspectrofluorometry and pharmacokinetics single living cells application to the study of factors influencing the kinetics of the cell detoxification system" 1817
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
"Recovery from dispositional and pharmacodynamic tolerance after chronic phenobarbital treatment" 1694

Pharmocodinetics
"Induction of microsomal cytochromes in the rat liver after intravenous administration of emulsions of perfluoro-organic compounds" 1683
Phase Partitioning
"Liquid/suspended solid phase partitioning of polycyclic aromatic hydrocarbons in coal coking wastewaters" 818
Phase Transition
"Fluorescence decay of pyrene in small and large unilamellar L, alpha-dipalmitoylphosphatidylcholine vesicles above and below the phase transition temperature" 883
Phenanthrene
"2-stage mineralization of phenanthrene by estuarine enrichment cultures" 323
"A note on the predominance of non-K-region metabolites of phenanthrene found in bony fishes" 1008
"A comparative study on the disposition of 3 aromatic hydrocarbons in flounder Platichthys-flesus" 1010
"Absorption of crude coal tar products in patients with psoriasis" 1892
"Activity and distribution of phenanthrene-degrading bacteria in the Great Bay Estuary,NH" 322
"An autoradiographic study of the chlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl, and the polycyclic aromatic hydrocarbon, phenanthrene, in flounder (Platichthys Flesus) accompanied by liquid scintillation counting" 1009
"Analysis of organics in the environment by functional group using a triple quadrupole mass spectrometer" 342
"Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry" 157
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
"Biodegradation of topped Kuwait crude" 260
"Bonded-phase extraction column isolation of organic compounds in groundwater at a hazardous waste site" 769
"Characterization of airborne trace metal and trace organic species from coal gasification" 753
"Characterization of organic compounds on airborne particles" 264
"Chemical transformation of polycyclic aromatic hydrocarbons vapour-adsorbed on coal stack ash" 822
"Chemical and biological characterization of organic material from gasoline exhaust particles" 565
"Comment on the paper "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 138

Phenanthrene (cont)
"Comparative study on the fate of the polychlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus), determined by liquid scintillation counting andautoradiography" 1007
"Comparative study on the fate of polychlorinated biphenyl 2,4,5,2',4', 5'hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus) determined by liquid scintillation counting andautoradiography" 1012
"Components in petroleum refinery wastewaters" 682
"Concentration, separation and determination of hydrocarbons in seawater" 47
"Direct determination of the phenanthrene and methylphenanthrene isomer distribution in crude oils by multidimensional capillary GC" 170
"Distribution of hydrocarbons and chlorinated hydrocarbons in various phases of the Detroit River" 452
"Effect of highway runoff on lake water quality" 646
"Effects of organic pollutants on methanogenesis, sulfate reduction and carbon dioxide evolution in salt marsh sediments" 366
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338
"Effects of petroleum hydrocarbons on the cytochrome P 450 content of the mollusk bivalve Mytilus galloprovincialis" 905
"Environmental assessment of a firetube boiler firing coal/oil/water mixtures. Volume 1. Technical results NACUREX/TR-81-89/EE- VOL-1" 618
"Estimation of mutagenic activities and physicochemical indexes of coastal waters" 367
"Frequency of sister chromatid exchanges in human lymphocytes cultivated with a human hepatoma cell line as an indicatior of the carcinogenic potency of 2 cyclopenta(a)phenanthrenes" 1530
"Health effects assessment for phenanthrene. EPA/540/1-86/029" 2065
"Human absorption of crude coal tar products" 2153
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477
"Hydrocarbons in the sediments of Port Valdez, Alaska: consequences of five years' permitted discharge" 487
"Identification of extractable organic chemicals in sewage effluent by gas chromatography/mass spectrometry" 778

Phenanthrene (cont)
"Investigation into the fate of carbon-14-labeled xenobiotics (naphthalene, phenanthrene, 2,4,5,2',4',5'-hexachlorobiphenyl, octachlorostyrene) in Bermudian corals" 493
"Isolation and characterization of rat liver cytosolic aldehyde dehydrogenases induced by phenanthrene or benzo[a]pyrene" 1935
"Kinetics of the gas-phase reactions of the hydroxyl radical with naphthalene phenanthrene and anthracene" ... 23
"Land treatment of contaminated sludge with wastewater irrigation" 2183
"Lysosomal responses to a polynuclear aromatic hydrocarbon in a marine snail: effects of exposure to phenanthrene and recovery" 979
"Metabolism of phenanthrene by the rat and the guinea pig" 956
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"Microbiodegradation of ocean oil pollutants. Part III. Degradation of petroleum hydrocarbons by microorganisms in the ocean" 423
"Mutagenicity and chemical characterization of organic constituents in rice straw smoke particulate matter" 731
"Numerical taxonomy of phenanthrene-degrading bacteria isolated from the Chesapeake Bay" 536
"Oxidation of phenanthrene by the marine Cyanobacterium Agmenellum- Quadruplicatum strain PR-6" 982
"Phenanthrene degradation by Beijerinckia sp. B8/36" 1018
"Photodegradation of phenanthrene on metal oxides and fly ashes" 653
"Photodegradation of phenanthrene on metal oxides and fly ashes" 655
"Photooxidative behavior of crude oils relative to sea pollution. Part I. Comparative study of various crude oils and model systems" 800
"Physical binding of pyrene and phenanthrene to native and denatured DNA: measurements by spectral and coupled-column liquid chromatography methods" 136
"Polypropylene as an adsorbent for trace organics in water" 161
"Practical evaluation and fundamental studies of surface-enhanced Raman spectroscopy for monitoring organic chemicals. Annual report for the period ending December 31, 1984" 133
"Prediction of seawater solubility of aromatic compounds" 329

Phenanthrene (cont)
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
"Rapid separation of phenanthrene, anthracene, and carbazole using a capillary column coated with liquid crystal" 59
"Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process" .. 2189
"Relationships between octanol-water partition coefficient and aqueous solubility" 415
"Removal of toxic organics by overland flow" 2210
"Reply to the comment of Dr. Nielsen on "Analysis of nitro-4H-cyclopenta(def)phenanthrenes in ambient air by fused silica capillary gas chromatography/mass spectrometry"" 158
"Responses of the mussel Mytilus Edulis to copper and phenanthrene: Interactive effects" 980
"Solvent sublation of organic contaminants for water reclamation" 2207
"Spatial and temporal distribution of chemical substances in lakes: modeling concepts" 343
"Spectral proof of the interaction of phenanthrene with coal-tar pitch components" 152
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella-elegans" 871
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella elegans" 872
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
"Supercritical fluid chromatography/supersonic jet spectroscopy. Progress report May 1 - July 31, 1984" ... 122
"The fate of hazardous wastes in used oil recycling" 591
"The fine structure of lysosomal membranes and endoplasmic reticulum in the digestive cells of Mytilus edulis exposed to anthracene and phenanthrene" 1679
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Toxic organics removal kinetics in overland flow land treatment" 2190
"Toxicity of polycyclic aromatic hydrocarbons. I. Effect of phenanthrene, pyrene, and their ozonized products on blood chemistry in rats" 2020
"Use of powdered activated carbon to reduce organic contaminant levels" 2199
"Wastewater renovation in rapid infiltration systems" ... 2178
Phenobarbital
"Metabolism of triphenylene by liver microsomes from control, phenobarbital(PB)-treated and 3-methylcholanthrene(MC)-treated rats" 1928

Phenobarbital (cont)
"Metabolism of benzo(a)pyrene and excretion of metabolites by control rats and rats given pretreatment with enzyme inducers, phenobarbital and 3-methylcholanthrene" 1964
"Recovery from dispositional and pharmacodynamic tolerance after chronic phenobarbital treatment" 1694
Phenols
"Effect of some phenols on the level of benzo(a)pyrene-induced gene mutations and carcinogenesis" 1714
"Kinetics of benzo(a)pyrene penetration into the skin of mice under the influence of different phenols" 1853
"Kinetics of benzo(a)pyrene penetration into the mouse skin after treatment with various phenols" 1854
Phenylnaphthofurans
"Pharmacochemical analogy of benzoflavones and carbonyl derivatives of phenylnaphthofurans" 850
Phorbol Ester
"Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer" 1938
Phosphorescence
"Detection of specific nitrogen-containing compounds by room temperature phosphorescence" 1
Phosphorescence Analysis
"Monitoring exposure to polynuclear aromatic compounds via room temperature phosphorescence from solid substrates" 2168
Phosphorus
"High dissolved carbon phosphorus excretion ratios for large benthic marine invertebrates" 1034
Phosphorus Postlabeling
"Enhanced sensitivity of phosphorus postlabeling analysis of aromatic carcinogen DNA adducts" 71
Phosphorus-32
"Phosphorus-32 postlabeling test for covalent DNA binding of chemicals in vivo: application to a variety of aromatic carcinogens and methylating agents" 1776
Photo Induction
"Comparison between photo-induction and microsomal activation of polycyclic hydrocarbons with different oncogenic potency" 1748
Photo Oxidation
"Photooxidative behavior of crude oils relative to sea pollution. Part I. Comparative study of various crude oils and model systems" 800
"On the sensitized photo-oxidation of alkylbenzenes in seawater" 285

Photo Oxidation (cont)
"Photo oxidation of a polycyclic aromatic amine chemical identification of stable and direct acting mutagenic photo products" 1895
Photo Transformation
"Photochemical transformation of pyrene and benzo(a)pyrene vapor-deposited on eight coal stack ashes" 833
Photoacoustic Spectroscopy
"Photoacoustic spectroscopy of matrix-isolated polycyclic aromatic compounds" 80
Photochemical Degradation
"Photochemical degradation of polycyclic aromatic hydrocarbons (PAH) in real and laboratory conditions" ... 524
"Photochemical degradation of polynuclear aromatic hydrocarbons in aquatic systems" 556
"The effect of nitrogen dioxide on the photochemical and nonphotochemical degradation of pyrene and benzo(a)pyrene adsorbed on coal fly ash" 832
"Role of airborne particulate matter components on photochemical degradation of pyrene, benzoanthracene and benzo(a)pyrene. A preliminary report" 523
Photochemical Reaction
"Mutagen formation by the photochemical reaction of pyrene with nitrogen dioxide" 336
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
"Mutagen formation by the photochemical reaction of polycyclic aromatic hydrocarbons with nitrogen oxides" .. 335
"Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite" 1691
Photochemical Reactivity
"Composition and photochemical reactivity of turbine engine exhaust" 785
Photochemistry
"Photochemistry of petroleum in water" 442
Photodecomposition
"Photodecomposition of 1-nitropyrene and other direct-acting mutagens extracted from diesel-exhaust particulates" 788
Photodegradation
"Photodegradation of phenanthrene on metal oxides and fly ashes" 653
"Photodegradation of phenanthrene on metal oxides and fly ashes" 655
"Photodegradation of mutagens in solvent-refined coal liquids" 701
Photoenhanced Toxicity
"The photoenhanced toxicity of anthracene to juvenile sunfish (Lepomis spp.)" 1699

Photoinduced Toxicity
"Photoinduced toxicity of anthracene in aquatic organisms: an environmental perspective" 1700
Photolysis
"Chemical reactivity of polycyclic aromatic compounds vapor-adsorbed on coal stack ash" 639
"Determination of 23 polycyclic aromatic hydrocarbons in atmospheric particulate matter of the Paris area and photolysis by sunlight" 419
"Disposition of anthracene in the water and Aufwuchs matricies of a large outdoor channel microcosm: A data set for mathematical simulation models" 257
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435
"Photolysis of polycyclic aromatic hydrocarbons adsorbed on simulated atmospheric particulates" 246
"Photolytic and partitioning behavior of polynuclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 757
"Photolytic and partitioning behaviour of polynyclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 448
"Salmonella/microsome mutagenicity of 1-nitropyrene-2-ol, a nitropyrene phenol formed in the photolysis of 1-nitropyrene" 1540
"Sunlight photolysis rates of selected neutral azaarenes in aqueous coal-oil systems" 449
Photooxidation
"Favorable interaction between photooxidation and bacterial degradation of anthracene in sea water" 469
Photophysics
"Photophysics and chemistry and PAH compounds" 137
"Photophysics and chemistry at PAH compounds. Progress and proposed technical program" 151
Photoreactivity
"1-Nitropyrene: a mutagenic product induced by the action of near ultraviolet light on 1-aminopyrene" 438
Photosensitization
"Action spectrum for anthracene-induced photosensitization of human skin" 2100
Photosynthesis
"The effect of 3,4-benzo(a)pyrene on the photosynthetic and respiratory intensity of the green alga Scenedesmus Quadricauda" 836
Phototoxic Effects
"Development of an animal model to study the phototoxic effects of anthracene and UV in skin and ocular tissues" 1206
Phototoxicity
"Light-dependent toxicity of.alpha.-terthienyl and anthracene toward late embryonic stages of Rana pipiens" 1432

Phototoxicity (cont)
"The phototoxicity of noncarcinogenic polycyclic aromatic hydrocarbons in aquatic organisms" 1431
"The phototoxicity of benzo[a]pyrene in the green alga Selenastrum capricornutum" 1179
"The hairless mouse as a model for phototoxicity detection" 2004
Phototransformation
"Altered patterns of cutaneous xenobiotic metabolism in UVB-induced squamous cell carcinoma in SKH-1 hairless mice" 1200
"Impairment of xenobiotic metabolism in skin of mice chronically exposed to UV B radiation" 1201
Physicochemical Indexes
"Estimation of mutagenic activities and physicochemical indexes of coastal waters" 367
Physiological Effects
"Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(a)anthracene on the deposit feeding polychaete Nereis virens" 971
Pigments
"Wastes from manufacture of dyes and pigments. Volume 4. Anthraquinone dyes and pigments" 656
Pilot Plant Samples
"Analysis of hydroaromatics in coal-derived synthetic fuels: applications to pilot-plant samples" 218
Pipeline Residue
"High molecular weight hydrocarbons including polycyclic aromatic hydrocarbons in natural gas from consumer distribution pipelines and in pipeline residue" 625
Pipelines
"High molecular weight hydrocarbons including polycyclic aromatic hydrocarbons in natural gas from consumer distribution pipelines and in pipeline residue" 625
Pitch
"Preparation of pitch and tar-based carbon pastes" 2035
Placenta
"Xenobiotic metabolism in the maternal-placental-fetal unit: implications for fetal toxicity" 1722
Placental Transfer
"Placental transfer of benzo(a)pyrene and induction of aryl hydrocarbon hydroxylase in rat and mouse embryos" .. 1668
Plant Cell Cultures
"Use of plant cell cultures to study the metabolism of environmental chemicals" 1819
Plant Phenols
"Inhibition by plant phenols of benzo(a)pyrene-induced nuclear aberrations in mammalian intestinal cells: A rapid in-vivo assessment method" 1966
"Plant phenolics as antimutagens: In vivo evidence for inhibition of an aromatic chemical carcinogen" 1967

Plants
"Absorption of benzo(a)pyrene by corn roots and its accumulation in the plants" 534
"Accumulation of airborne pollutants (PAH, chlorinated hydrocarbons, heavy metals) in various plant species and humus" 510
"PAH (polycyclic aromatic hydrocarbons) uptake by plants: Methodology and initial investigations" 878
"Plants as monitoring samplers of airborne PAH" 29
"Toxic organic compounds in municipal waste materials: origin, content and conversion in soils and plants" 662
Plasma
"Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals" 1198
"Serum- and plasma-dependent variations of benzo(a)pyrene-induced sister chromatid exchange in human lymphocytes" 1985
Plasma Amino Acids
"Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary benzo[a]pyrene or 1,2-dimethylhydrazine" 1065
Plasma Corticosteroid
"Plasma corticosteroid and glucose responses to pollutants in striped mullet: different effects of naphthalene, benzo(a)pyrene and cadmium exposure" 1022
Plasma Irradiation
"Reaction of benz(a)anthracene under plasma irradiation and the mutageneity of its products" 2016
Plasma Membrane
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
Plasmid DNA
"Mutational and recombinational events in carcinogen-modified plasmid DNA influence of host-cell repair genes" 1046
Plasmid pkM101
"Frameshift mutagenesis by acridines in wild-type, uvrB and polA strains of Salmonella typhimurium with and without plasmid pKM101" 1273
Plastic Water Pipes
"Some experiences with the permeation of organic compounds through plastic drinking water pipes" 2164

Plate Measurements
"Theoretical plate measurements and collection efficiencies for high-volume air samplers using polyurethane foam" 22
Platichthys flesus
"Comparative study on the fate of the polychlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus), determined by liquid scintillationcounting and autoradiography"..... 1007
"An autoradiographic study of the chlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl, and the polycyclic aromatic hydrocarbon, phenanthrene, in flounder (Platichthys Flesus) accompanied by liquid scintillationcounting" 1009
"A comparative study on the disposition of 3 aromatic hydrocarbons in flounder Platichthys-flesus" 1010
"Comparative study on the fate of polychlorinated biphenyl 2,4,5,2',4', 5'hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus) determined by liquid scintillationcounting and autoradiography"..... 1012
Platichthys stellatus
"Pollutant body burdens and reproduction in Platichthys Stellatus from San Francisco Bay. Final report" 1013
Pleurodeles waltl
"Micronuclei in red blood cells of the newt Pleurodeles waltl after treatment with benzo(a)pyrene: dependence on dose, length of exposure, posttreatment time, and uptake of the drug" 1325
Pluronic Polyol F-127
"Pluronic polyol F-127 as an effective vehicle for petroleum hydrocarbons in the Salmonella and microsomal assay" 1564
PMO Indices
"Carcinogenesis by polycyclic aromatic hydrocarbons: a multilinear regression on new type Perturbational Molecular Orbital indices" 1907
PMR Spectral Studies
"PMR spectral studies of Diels-Alder adducts anthracene-crotonic-acid anthracene-fumaric-acid and Beta naphthol-fumaric-acid" 179
Poeciliopsis
"Transplantable chemically-induced liver tumors in the viviparous fish Poeciliopsis" 1839
Polar Substituted PAH
"Negative ion chemical ionization mass spectrometry - a useful technique for the selective detection of polar substituted polycyclic aromatic hydrocarbons with mutagenic properties" 146

Polarity
"Polarity of chemically modified silica surfaces and its dependence on mobile-phase composition by fluorescence spectrometry" 183
Polarizability
"The correlation between molecular polarizability of PAHs and their retention data on various stationary phases in reversed-phase HPLC" 94
Pollutant Stress
"Histopathology of Mercenaria mercenaria as an indicator of pollutant stress" 1024
Polyamines
"Inhibition of the uptake of benzo[a]pyrene in cells by polyamines" 1481
Polychaete
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
"In vivo metabolism of benz(a)anthracene by the polychaete Nereis virens" 1585
"Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(a)anthracene on the deposit feeding polychaete Nereis virens" 971
"Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete Nereis virens" 900
Polymer Combustion
"Evolution of soot and polycyclic aromatic hydrocarbons from combustion and pyrolysis of polymers and low-molecular weight hydrocarbons" 741
"Products obtained during combustion of polymers under simulated incinerator conditions. I. Polyethylene" 669
"Products obtained during combustion of polymers under simulated incinerator conditions. II. Polystyrene" 670
"Products obtained during combustion of polymers under simulated incinerator conditions. III. Poly(vinyl chloride)" 671
Polynucleotides
"Covalent binding of benzo(a)pyrenediol epoxides to polynucleotides" 1169
Polypropylene
"Polypropylene as an adsorbent for trace organics in water" 161
Polysiloxane Stationary
"Gas chromatography of polycyclic aromatic hydrocarbons on glass and quartz capillary columns with polysiloxane stationary phases" 165

Polytene Chromosomes
"Site-specific carcinogen binding to DNA in polytene chromosomes" 1491
Polyurethane Foam
"Collection of airborne polycyclic aromatic hydrocarbons and other organics with a glass fiber filter-polyurethane foam system" 364
"Influence of volatility on the collection of polycyclic aromatic hydrocarbon PAH vapors with polyurethane foam" . 227
"A comparative study of the concentration of polynuclear aromatic hydrocarbons by open cell polyurethane foams" .. 231
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
"Evaluation of polyurethane foam cartridges for measurement of polynuclear aromatic hydrocarbons in air" 39
Pond Ecosystems
"Comparison of laboratory and field assessment of fluorene - part II: effects on the ecological structure and function of experimental pond ecosystems" 258
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
Pore Size
"The influence of the pore size of bonded phases containing phenyl groups in the retention of polycyclic aromatic hydrocarbons in reversed-phase liquid chromatography" 96
Potato
"Effect of thermally treated wastewater sediment and compost from it on the content of benz(a)pyrene and N-nitroso compounds in the soil and in potatoes" 574
Potency
"Genotoxic activity and potency of 135 compounds in the Ames reversion test and in a bacterial DNA-repair test" . 1213
Power Plants
"Polycyclic aromatic hydrocarbons of coal fly ash: analysis by gas-liquid chromatography using nematic liquid crystals" 786
"Evaluation of atmospheric trace species in the vicinity of a copper smelter and a power plant" 835
"Microclimatic conditions in a medium power station and their effects on human organism" 2081
Prediction
"A model based on molecular structure descriptors for predicting mutagenicity of organic compounds" 1212
"Ecosystem knowledge of soil parameters for prediction of the potential damage of pollutants" 296

Prediction (cont)
"Prediction of ecotoxicological behavior of chemicals: relationship between n-octanol/water partition coefficient and bioaccumulation of organic chemicals by alga Chlorella" 311
"Prediction of seawater solubility of aromatic compounds" 329
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
"The prediction of bioconcentration in fish" 277
Pregnancy
"Effect of 3,4-benz(a)pyrene on the microscopic anatomy of regional lymphatic nodes of the female rat in pregnancy" 1006
Premalignant Skin Lesions
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
Preneoplastic Changes
"Promotion of preneoplastic changes in liver by coal-derived organic mixtures applied to skin" 1779
Prescribed Fires
"Advances in the characterization and control of emissions from prescribed fires" 819
Preservability
"A preliminary study on the preservability of benzo(a)pyrene in stored atmospheric particulate matter samples" 6
Preservation
"Preservation of benzo(a)pyrene in airborne particulate" 224
Pressure Effects
"The effects of pressure and cholesterol on rotational motions of perylene in lipid bilayers" 876
Pressure Gas Plant
"Problem of the working environment in the Usti nad Labem pressure gas plant" 2054
Pressure Treatment
"Chemical health risks in pressure treatment (of wood). A study of three CCA and 3 creosote treatment plants" ... 2041
Pretreatment Standards
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
Primary Monolayer Culture
"Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture" .. 969

Primate Liver
"Ah receptor in primate liver: binding of 2,3,7,8-tetrachlorodibenzo-p-dioxin and carcinogenic aromatic hydrocarbons" 1696
Procarcinogens
"In-vitro effects of N-acetylcysteine on the mutagenicity of direct acting compounds and procarcinogens" 1211
"Osmotic-sensitive mutants of Saccharomyces cerevisiae as screening organisms for promutagens and procarcinogens" 1629
Process Distillation
"Effect of process distillation on mutagenicity and cell-transformation activity of solvent-refined, coal-derived liquids" 1725
Process Stream Materials
"Toxicological and chemical characterization of the process stream materials and gas combustion products of an experimental low-BTU coal gasifier" 582
Process Waters
"Experience in monitoring domestic water sources and process waters for trace organics" 2175
Processed Foods
"Screening of mutagenicity of processed foods by the use of Blue Cotton" 1452
Product Inhibition
"Benzo(a)pyrene activation to 7,8-dihydrodiol 9,10-oxide by rat liver microsomes. Control by selective product inhibition" 938
Productivity
"The effect of aromatic hydrocarbons on the productivity of various marine planktonic algae" 1421
Prolactin
"Role of estrogen and prolactin in stimulation of carcinogen induced mammary tumor development by a high fat diet" 1075
"Suppressive effect of inflamation and other forms of stress on the binding of prolactin by rat liver" 1313
Prolactin Secretion
"Effects of dietary lipid saturation on prolactin secretion carcinogen metabolism and mammary carcinogenesis in rats" 1178
Prolarval Survival
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
Promoting Potential
"Assay of 7 compounds for promoting potential on the development of gamma glutamyl transpeptidase-positive liver cell foci in the rat" 986

Promotion
"12-O-Tetradecanoylphorbol-13-acetate promotion of carcinogen-treated rat liver endothelial cells" 1373
"Mechanisms of initiation and promotion in mouse epidermis" 2022
"Mechanistic aspects of initiation and promotion in C-3H-10T-1-2 cells" 1122
Promutagen Activation
"Characterization of cytochrome P-450-dependent promutagen activation in two species of marine fish" 964
Promutagens
"Osmotic-sensitive mutants of Saccharomyces cerevisiae as screening organisms for promutagens and procarcinogens" 1629
Propellant Combustion
"Propellant combustion product analyses on an M16 rifle and a 105mm caliber gun" 2042
Prostaglandin E1
"Prostaglandins and mutagenesis: prevention and/or reversibility of genetic damage induced by benzo (a) pyrene in the bone marrow cells of mice by prostaglandin E1" 1759
Prostaglandin H Synthase
"Metabolism of carcinogens by prostagladin H synthase" .. 1261
Prostaglandins
"Prostaglandins and their precursors can modify genetic damage-induced by gamma-radiation and benzo(a)pyrene" ... 1204
Prostate Carcinogenesis
"Nutritional factors in lung, colon, and prostate carcinogenesis in animal models" 1483
Protein Adduct(s)
"Persistence of BaP:DNA and BaP:protein adducts in mouse and rat skin" 1792
"Formation and persistence of DNA, RNA, and protein adducts in mouse skin exposed to pure optical enantiomers of 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydroben o(a)pyrene in vivo" 1723
Proto-Oncogene
"Activation of c-Ha-ras-1 proto-oncogene by in vitro modification with a chemical carcinogen, benzo(a)pyrene diol-epoxide" 1566
"Transforming activity of a cellular proto-oncogene after in-vitro modification by a chemical carcinogen" ... 1738
Pseudopleuronectes
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990

Psoriasis
"Aryl hydrocarbon hydroxylase, epoxide hydrolase, and benzo(a)pyrene metabolism in human epidermis: comparative studies in normal subjects and patients with psoriasis" 2048
"Effect of crude coal tar in the mouse-tail model of psoriasis" 859
Public Health
"Public health basis for redistribution of chemical and biological pollutants in water" 2093
Public Health Risks
"Public health risks from an oil shale industry" 2125
Publications
"Biomedical and environmental sciences program (Oak Ridge National Laboratory) publications 1984. ORNL-6201 ERDA/560100" 2232
Pulmonary Carcinoma
"Assessment of the direct effect of 3,4-benzpyrene on organ cultures from the bronchi of patients presenting chronic bronchitis and pulmonary carcinoma" 1951
Pulmonary Clearance
"Effect of prolonged exposure to carbon black particles on the pulmonary clearance of inhaled diesel particles" . 1510
Pulmonary Defense
"Effect of acute benzo(a)pyrene exposure on pulmonary defense mechanisms in the mouse" 1834
Pulmonary Detoxifying
"Electron carriers of the pulmonary and hepatic detoxifying system in chemical carcinogenesis under conditions of modifying action of influenza virus" 843
Pulmonary Fibroblasts
"Elimination and repair of lesions induced by benzo(a)pyrene in the DNA of human embryo pulmonary fibroblasts (ICP-23 cell line)" 1957
Pulmonary Metabolism
"Effect of ellagic acid on hepatic and pulmonary xenobiotic metabolism in mice: studies on the mechanism of its anticarcinogenic action" 1199
"Interactions of heavy metals with the pulmonary metabolism of (3H)benzo(a)pyrene" 1989
"Pulmonary metabolism of dibenz(a,j)acridine" 1970
Pulmonary Retention
"Pulmonary retention of [14C]benzo[a]pyrene in rats as influenced by the amount instilled" 1591
Pulverized Coal Combustion
"Chemical and toxicological characterization of organic constituents in fluidized-bed and pulverized coal combustion: A topical report" 597

Purification
"Tissue distribution and partial purification of a receptor protein for polycyclic aromatic hydrocarbons in the DBA/2J-mouse and Sprague-Dawley rat" 2030
Pyrazole
"Selective induction of coumarin 7-hydroxylase by pyrazole in D-2 mice" 929
Pyrene
"1-hydroxypyrene in human urine after exposure to coal tar and a coal tar derived product" 2098
"Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6- dinitropyrene in rats" 1692
"Absorption of crude coal tar products in patients with psoriasis" 1892
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
"Analysis of mononitro-isomers of fluoranthene and pyrene by high- resolution capillary gas chromatography-mass spectrometry" 159
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
"Biodegradation of topped Kuwait crude" 260
"Biological effects summary report: Pyrene" 937
"Characterization of airborne trace metal and trace organic species from coal gasification" 753
"Characterization of organic compounds on airborne particles" 264
"Chemical transformation of polycyclic aromatic hydrocarbons vapour-adsorbed on coal stack ash" 822
"Chemical and biological properties of diesel exhaust particles collected during selected segments of a simulated driving cycle" 1093
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
"Concentration, separation and determination of hydrocarbons in seawater" 47
"Contained dredged material for open ocean disposal" 2180
"Contribution of 1-nitropyrene metabolites to mutagenic activity of diesel particulate" 1100
"Determination of nitrogen compounds in hydrotreated shale oils by preparative high-performance liquid chromatography and gas chromatography-mass spectrometry" 35
"Dinitropyrene-resistant Salmonella typhimurium are deficient in an acetyl-CoA acetyltransferase" 988
"Dynamic adsorption of mutagens to Blue cotton" 1475

Pyrene (cont)
"Ecology of organic pollutants from List 1 of the EC(European Communities) in aquatic systems" 526
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338
"Effects of pyrene or benzo(a)pyrene on the mutagenicity of trinitrochlorobenzene or tetranitrocarbazole" 1315
"Effects of some environmental agents on the elimination kinetics of theophylline" 1131
"Effects of acetylenic and olefinic pyrenes upon cytochrome P-450 dependent benzo(a)pyrene hydroxylase activity in liver microsomes" 901
"Evaluation of analytical methods for the determination of POHC in combustion products" 87
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
"Fluoranthene and pyrene enhance benzo[a]pyrene--DNA adduct formation in vivo in mouse skin" 1786
"Fluorescence study of pyrene and naphthalene in cyclodextrin- amphiphile complex systems" 75
"Fluorescence decay of pyrene in small and large unilamellar L, alpha-dipalmitoylphosphatidylcholine vesicles above and below the phase transition temperature" 883
"Formation and degradation of direct-acting mutagens by photolysis of polycyclic aromatic hydrocarbons with nitrite" 435
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
"Formation and persistence of DNA, RNA, and protein adducts in mouse skin exposed to pure optical enantiomers of 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7, 8,9,10-tetrahydrobenzo(a)pyrene in vivo" 1723
"Germfree animal as a tool to study role of gut microflora and nutrition in cancer" 996
"Health effects assessment for pyrene. EPA/540/1-86/030" 2066
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477
"Identification of mutagenic metabolites of indeno[1,2,3-cd]pyrene formed in vitro with rat liver enzymes" 1785

Pyrene (cont)
"Induction of sarcomas in rats by subcutaneous injection of dinitropyrenes" 1693
"Isolation, identification and bacterial mutagenicity of 2-nitro-9-fluorenone from diesel-exhaust particle extracts" 1094
"Land treatment of contaminated sludge with wastewater irrigation" 2183
"Measurement of unscheduled DNA synthesis in germ cells of the male mouse (Mus Musculus)" 1846
"Metabolic activation of mutagenic and carcinogenic dinitropyrenes" 1098
"Metabolism of 1-nitropyrene by cultured rabbit alveolar macrophages and respiratory tract tissues" 1456
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216
"Microbial metabolism of pyrene" 1163
"Modification of nucleic acids with 1-nitropyrene in the rat: identification of the modified nucleic acid base" .. 1349
"Molecular-shape recognition of polycyclic aromatic hydrocarbons in reversed phase liquid chromatography" ... 92
"Monodisperse aerosols of ammonium bisulfate and pyrene" 2159
"Mutagen formation by the photochemical reaction of pyrene with nitrogen dioxide" 336
"Mutagen formation by the photochemical reaction of polycyclic aromatic hydrocarbons with nitrogen oxides" .. 335
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
"Mutagenicity of pyrolyzates of natural substances on Salmonella- typhimurium TA-97" 1811
"Mutagenicity of pyrene in Salmonella" 1573
"Mutagenicity of pyrenequinone and perylene quinone on Salmonella- typhimurium" 1488
"Mutagenicity studies of P-substituted benzyl derivatives in the AMES salmonella plate-incorporation assay" 1080
"Mutagenicity of the sunlight-exposed sample of pyrene in Salmonella typhimurium TA98" 1913
"Photochemical transformation of pyrene and benzo(a)pyrene vapor-deposited on eight coal stack ashes" 833
"Photodecomposition of 1-nitropyrene and other direct-acting mutagens extracted from diesel-exhaust particulates" 788
"Photophysical studies of pyrene incorporated in Nafion membranes" 1509

Pyrene (cont)
"Physical binding of pyrene and phenanthrene to native and denatured DNA: measurements by spectral and coupled-column liquid chromatography methods" 136
"Polarity of chemically modified silica surfaces and its dependence on mobile-phase composition by fluorescence spectrometry" 183
"Polypropylene as an adsorbent for trace organics in water" 161
"Possible involvement of free radical lipid intermediate in hydroxylation of polycyclic hydrocarbons" 1234
"Prediction of seawater solubility of aromatic compounds" 329
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
"Products obtained during combustion of polymers under simulated incinerator conditions. II. Polystyrene" 670
"Reactions of adsorbed pyrene and perylene with gaseous nitrogen pentoxide (N2O5) under simulated atmospheric conditions" 149
"Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process" .. 2189
"Relationships between octanol-water partition coefficient and aqueous solubility" 415
"Relative rates and partial combustion products from the burning of chlorobenzenes and chlorobenzene mixtures" ... 811
"Removal of toxic organics by overland flow" 2210
"Role of airborne particulate matter components on photochemical degradation of pyrene, benzoanthracene and benzo(a)pyrene. A preliminary report" 523
"Selective aerobic degradation of methyl-substituted polycyclic aromatic hydrocarbons in petroleum by pure microbial cultures" 244
"Sorption dynamics of hydrophobic pollutants in sediment suspensions" 360
"Studies of drainage ditch waters of the Georgswerd garbage dump in Hamburg (evaluation of the analytical results up to 1982)" 647
"Tests for induction of presumed dominant-lethal effects in female mice" 1304
"The effect of nitrogen dioxide on the photochemical and nonphotochemical degradation of pyrene and benzo(a)pyrene adsorbed on coal fly ash" 832
"The fate of hazardous wastes in used oil recycling" 591
"The measurement of on-the-fly Fourier transform infrared reference spectra of environmentally important compounds" 73

Pyrene (cont)
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Toxicity of polycyclic aromatic hydrocarbons. I. Effect of phenanthrene, pyrene, and their ozonized products on blood chemistry in rats" 2020
"Ultraviolet spectrophotometric method for the determination of anthracene, naphthalene and pyrene in coal tars" 213
"Use of powdered activated carbon to reduce organic contaminant levels" 2199
"Vapor-phase sampling of organic compounds" 98
"Wet air oxidation of hazardous organics in wastewater" . 2185
Pyrogenic Residues
"Organic matter of the troposphere. III. Characterization and sources of petroleum and pyrogenic residues in aerosols over the western United States" ... 779
Pyrolysis
"Evolution of soot and polycyclic aromatic hydrocarbons from combustion and pyrolysis of polymers and low-molecular weight hydrocarbons" 741
"Pyrolysis of phthalic acid esters: their fate" 256
Pyrolysis Effluents
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry castings operations. Volume 1." 2145
"Carcinogenic potential of condensed pyrolysis effluents from iron foundry casting operations. Volume 5" 2146
Pyrolysis Fuel Oil Residue
"Combustion of oil shale, fluidized coal and pyrolysis fuel oil residues in a stationary gas turbine" 706
Pyrolytic Emissions
"Pyrolytic emissions, profiles of polycyclic aromatic hydrocarbons and lung cancer risk - data and evaluation" 2227
Pyrolyzates
"Mutagenicity of pyrolyzates of natural substances on Salmonella- typhimurium TA-97" 1811
Quality Assurance Program
"Quality assurance program for combustion source studies" 184
Quantification
"Formation of DNA modifications by chemical carcinogens. Identification, localization and quantification" 114
"Identification and quantification of diesel fuel components derived from off-shore drilling operation discharges" 676
"Interlaboratory comparison of quantification of PAH in atmospheric aerosols by gas and liquid chromatographies and by Shpol'skii fluorometry" 118

Quantitation
"Evaluation of multiwavelength first- and second-derivative spectra for the quantitation of mixtures of polynuclear aromatic hydrocarbons" 191
"Quantitation of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter by high-performance liquid chromatography fractionation and high-resolution gas chromatography" 803
Quantitative Evaluation
"Studies on chemically induced neoplastic transformation and mutation in the BALB/3T3 Cl A31-1-1 cell line in relation to the quantitative evaluation of carcinogens" 1806
Quantum Mechanics
"A quantum mechanical approach to the theory of cancer from polynuclear molecules. Metabolic activation and carcinogenicity of methylphenanthrenes" 1617
Quartz Capillary Columns
"Gas chromatography of polycyclic aromatic hydrocarbons on glass and quartz capillary columns with polysiloxane stationary phases" 165
Quartz Fiber
"The loss of PAH from quartz fiber high volume filters" . 61
Quercetin
"The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains" 1690
"Tyrosine protein kinase activity in the 7-12-dimethylbenz(a) anthracene-induced rat mammary tumor inhibition by quercetin" 1522
Quinolines
"Tumor-initiating activity of quinoline and methylated quinolines on the skin of SENCAR mice" 1504
Quinone(s)
"Identification of benzo[a]pyrene quinone in soybean leaves" 476
"Induction of cell damage by menadione and benzo(a)pyrene-3 6-quinones in cultures of adult rat hepatocytes and human fibroblasts" 1631
"Inhibitory effects of superoxide-generating quinones on superoxide dismutase" 1875
"Mutagenicity of pyrolyzates of natural substances on Salmonella- typhimurium TA-97" 1811
"Mutagenicity of polycyclic aromatic hydrocarbons and quinones on Salmonella typhimurium TA97" 1812
"Mutagenicity of pyrenequinone and perylene quinone on Salmonella- typhimurium" 1488
"Mutagenicity of quinones pathways of metabolic activation and detoxification" 1173

Quinone(s) (cont)
"Radiosensitization of hypoxic cells in-vitro and in-vivo benzoquinones naphthaquinones and anthraquinones" 1049
"Separation of mycotoxins, polycyclic aromatic hydrocarbons, quinones, and heterocyclic compounds on cyclodextrin bonded phases: an alternative LC packing" . 11
Rabbit Cytochrome P-450
"Induction of rabbit hepatic microsomal cytochrome P-450 by imidazole: enhanced metabolic activity and altered substrate specificity" 1445
Rabbit Hepatic Cells
"Quantitation of benzo(a)pyrene metabolite: DNA adducts in selected hepatic and pulmonary cell types isolated from [3H]benzo(a)pyrene-treated rabbits" 916
Rabbit Hepatocytes
"Xenobiotic metabolism in individual rabbit hepatocytes" 968
Rabbit Liver
"Regulation of 3 rabbit liver benzo(a)pyrene hydroxylases" 926
Rabbit Lung
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
"Mutagenicity of 1-nitropyrene metabolites from lung S9" 1457
"Metabolism of benzo(a)pyrene by cytochrome P-450, form 6, in rabbit lung" 1239
Rabbit Lung Microsome
"Effects of various organic solvent vehicles on benzo(a)pyrene metabolism in rabbit lung microsomes" 943
Rabbit Pulmanary Cells
"Quantitation of benzo(a)pyrene metabolite: DNA adducts in selected hepatic and pulmonary cell types isolated from [3H]benzo(a)pyrene-treated rabbits" 916
Rabbit Respiratory Tract
"Metabolism of 1-nitropyrene by cultured rabbit alveolar macrophages and respiratory tract tissues" 1456
Rabbit(s)
"Immune cell changes after benzopyrene insult in utero (mice, rabbits)" 1948
"Increases in benzo(a)pyrene metabolism and cytochrome P-4506 content in alveolar type II cells isolated from tetrachlorodibenzo- dioxin treated rabbits" 1226
"The role of rabbit P-450 1 and related enzymes in the metabolism of benzo(a)pyrene" 909
"Ubiquitous binding of benzo[a]pyrene metabolites to DNA and protein in tissues of the mouse and rabbit" 1893
"Variations among untreated rabbits in benzo(a)pyrene metabolism and its modulation by 7,8-benzoflavone" 1768

Radiation Effects
"Low-level X-radiation effects on functional vascular changes in Syrian hamster cheek pouch epithelium during hydrocarbon carcinogenesis" 1548
Radical Cations
"Role of radical cations in aromatic hydrocarbon carcinogenesis" 1161
Radioactive Labelling
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888
Radiolabel Diesel Exhaust
"Generation and characterization of radiolabeled diesel exhaust" 622
Radiosensitization
"Radiosensitization of hypoxic cells in-vitro and in-vivo benzoquinones naphthaquinones and anthraquinones" 1049
Rail Ties
"Open burning of creosote treated rail ties: a case study in health risk assessment" 2047
Rain
"Biogenic and anthropogenic organic compounds in rain and snow samples collected in southern California" 363
"Scavenging of airborne polycyclic aromatic hydrocarbons by rain" 527
"Trace organic compounds in rain. 1. Sampler design and analysis by adsorption/thermal desorption (ATD)" 440
"Trace organic compounds in rain - II. Gas scavenging of neutral organic compounds" 386
"Trace organic compounds in rain - III. Particle scavenging of neutral organic compounds" 387
Rainbow Trout
"Periodic depuration of anthracene metabolites by Rainbow trout" 1531
"Anthracene bioconcentration in Rainbow trout during single-compound and complex-mixture exposures" 1532
"Hepatocarcinogenicity of benzo[a]pyrene to rainbow trout by dietary exposure and intraperitoneal injection" 1370
"Periodic depuration of anthracene metabolites by rainbow trout" 957
Rainbow Trout Alevins
"Histologic and skeletal abnormalities in benzo(a)pyrene-treated rainbow trout alevins" 917
Rainbow Trout Embryos
"A reliable, efficient, microinjection apparatus and methodology for the in vivo exposure of rainbow trout and salmon embryos to chemical carcinogens" 1110

Raman Spectra
"Resonance raman and absorption spectra of isomeric retinals in their lowest excited triplet states" 214
Raman Spectrometry
"Ultraviolet resonance raman spectrometry for detection and speciation of trace polycyclic aromatic hydrocarbons" 14
Raman Spectroscopy
"Coherent anti-Stokes Raman spectroscopy of polycyclic aromatic hydrocarbons" 201
"Practical evaluation and fundamental studies of surface-enhanced Raman spectroscopy for monitoring organic chemicals. Annual report for the period ending December 31, 1984" 133
Rana pipiens
"Light-dependent toxicity of.alpha.-terthienyl and anthracene toward late embryonic stages of Rana pipiens" 1432
Rangia cuneata
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
Ranking Index
"A ranking index to characterize polynuclear aromatic pollutants in environmental samples" 532
Ras Gene
"A transforming ras gene in tumorigenic guinea pig cell lines initiated by diverse chemical carcinogens" 1899
Ras Related Oncogenes
"Molecular characterization of oncogenes in guinea-pig lines chemically initiated in-vitro acquisition of tumorigenicity is associated with activated Ras related oncogenes" 1240
Rat
"Differential induction of various carboxylesterases by certain polycyclic aromatic hydrocarbons in the rat" 1680
Rat Blood
"Effect of 3,4-benzpyrene on the content of carbohydrate-protein biopolymers in the blood and gastric wall of rats" 930
"Toxicity of polycyclic aromatic hydrocarbons. I. Effect of phenanthrene, pyrene, and their ozonized products on blood chemistry in rats" 2020
Rat Bone Marrow Cells
"Acute cyto genetic effect of sterigmatocystin on rat bone marrow cells in-vivo" 1947
Rat Brain
"Distribution of benzo(a)pyrene in discrete regions of rat brain" 885

Rat Buccal Mucosa
"Metabolism of benzo[a]pyrene by cultured rat and human buccal mucosa cells" 1074
Rat Cell Culture
"Differentiated genotoxic response of carcinogenic and noncarcinogenic benzacridines and metabolites in rat hepatoma cells" 1543
Rat Embryo Cells
"A new mechanism of benzo(a)pyrene activation for binding to DNA in Wistar rat embryo cells" 1749
"Benzo(a)pyrene:DNA adduct formation in early-passage Wistar rat embryo cell cultures: evidence for multiple pathways of activation of benzo(a)pyrene" 1750
"Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay" 1844
"Enhanced adenovirus SA-7 transformation in a continuous line of rat embryo cells pretreated with diverse chemicals" 1354
Rat Embryos
"Placental transfer of benzo(a)pyrene and induction of aryl hydrocarbon hydroxylase in rat and mouse embryos" .. 1668
Rat Esophagus
"The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N- nitroso-N-methylaniline in the Salmonella typhimurium assay" 1062
Rat Feces
"Mutagenicity of urine and feces after treatment of rats with known genotoxins" 1986
"Mutagens in rat urine and feces after treatment with genotoxic carcinogens" 1987
Rat Fibrosarcoma
"Activation of K-ras and oncogenes other than ras family in rat fibrosarcomas induced by 1,8-dinitropyrene" 1687
Rat Forestomach
"Acceleration of epithelial keratinization by carcinogens in fetal rat forestomach in organ culture" .. 1289
Rat Hepatic Cytosols
"Binding of benzo(a)pyrene and dibenz(a,h)anthracene to the Ah receptor in mouse and rat hepatic cytosols" 1695
Rat Hepatic Microsomes
"The in vitro metabolism of benzo[a]pyrene by polychlorinated and polybrominated biphenyl induced rat hepatic microsomal monooxygenases" 1329
Rat Hepatocytes
"Metabolism of benzo(a)pyrene-7 8 dihydrodiol and benzo(a)pyrene-7 8 dihydrodiol 9 10-epoxide to protein binding products and glutathione conjugates in isolated rat hepatocytes" 1423

Rat Hepatocytes (cont)
"The metabolism of the carcinogen 7-methylbenz(c)acridine by hepatocytes isolated from untreated and induced rats". 1128
"Induction of epoxide hydrolase in cultured rat hepatocytes and hepatoma cell lines" 1770
"Induction of cell damage by menadione and benzo(a)pyrene-3 6-quinones in cultures of adult rat hepatocytes and human fibroblasts" 1631
"Comparison of rat and hamster hepatocyte DNA repair genotoxicity assays" 1478
"Comparison of genotoxic effects of environmental carcinogens in hepatocytes from mouse, rat, hamster, and human" 1394
"Activities of drug-metabolizing enzymes in isolated gamma glutamyl transpeptidase positive prenoplastic hepatocytes from carcinogen treated rats" 1508
Rat Hepatoma Cells
"Induction of epoxide hydrolase in cultured rat hepatocytes and hepatoma cell lines" 1770
"DNA damage induced by nitropyrenes in primary mouse hepatocytes and in rat H4-II-E hepatoma cells" 1623
Rat Intestinal Sacs
"Benzo(a)pyrene uptake from micellar solutions by everted rat intestinal sacs" 1815
Rat Leukocytes
"Effect of benzo(a)pyrene and its metabolites on the production of active oxygen species by rat leukocytes" .. 1283
Rat Liver
"The binding of the benzo(a)pyrene metabolites to the DNA of isolated rat liver nuclei and nuclear matrix" 847
"Differential regulation of 2 microsomal epoxide hydrolases in hyperplastic nodules from rat liver" 853
"Differential effect of beta-naphthoflavone on promutagen activation capabilities of S9 from rat and mouse livers" 1764
"Rat liver homogenate (S9)-mediated binding of benzo[alpha]pyrene to DNA in V79 cells, V79 cell nuclei and aqueous solution" 1843
"Induction of microsomal cytochromes in the rat liver after intravenous administration of emulsions of perfluoro-organic compounds" 1683
"Metabolism of benzo(a)pyrene by subcellular fractions of rat liver: evidence for similar patterns of cytochrome P-450 in rough and smooth endoplasmic reticulum but not in nuclei and plasma membrane" 1689
"Selenium suppresses the metabolism of benzo[a]pyrene by rat-liver extracts, and exerts a dual effect on its mutagenicity" 1527
"Procarcinogen activation in BALB/C-3T3 cell-rat liver cell cocultures" 1575

Rat Liver (cont)
"Characterization of mutagenic glucuronide formation from benzo(a)pyrene in the nonrecirculating perfused rat liver" 1441
"Effect of bile salts on rates of formation, accumulation, and export of mutagenic metabolites from benzo(a)pyrene produced by the perfused rat liver." 1442
"Rat liver DNA damage by the nonhepatocarcinogen 3 2 dimethyl-4- amino bi phenyl" 1368
"Interaction of the 4S polycyclic aromatic hydrocarbon (PAH) binding protein with rat liver DNA" 1390
"Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo(a)pyrene and 3,3- dimethyl-1-phenyltriazene" 1392
"Suppressive effect of inflamation and other forms of stress on the binding of prolactin by rat liver" 1313
"Contribution of rat lung and liver in-vivo to benzo(a)pyrene elimination at low concentrations" 1281
"5-Azacytidine potentiates initiation induced by carcinogens in rat liver" 1222
"The formation of genotoxic metabolites of benzo[a]pyrene by the isolated perfused rat liver, as detected by the bioluminescence test" 1101
"Rat liver subcellular fractions catalyze aerobic binding of 1-nitro[14C]pyrene to DNA" 1086
"Stimulation of the production of mutagenic phenolic benzo(a)pyrene metabolites by fasting in perfused rat liver" 1277
"Metabolism of 1-[14C]nitropyrene in isolated perfused rat livers" 1120
"Formation of benzo(alpha)pyrene metabolites and DNA adducts catalyzed by a rat liver mitochondrial monooxygenase system" 1672
"Assay of 7 compounds for promoting potential on the development of gamma glutamyl transpeptidase-positive liver cell foci in the rat" 986
"Studies on comparative decomposition rate by rat liver homogenate and on micronucleus test of nitrated polycyclic aromatic hydrocarbons" 987
"Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes" 1083
"Quantitative significance of glutathione and glutathione-S-transferase in regulating benzo[a]pyrene anti diol-epoxide level in reconstituted C3H/10T1/2 cell lysates, and comparison to rat liver" 913
"The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N- nitroso-N-methylaniline in the Salmonella typhimurium assay" 1062

Rat Liver (cont)
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129
"Enzymatic characterization of the polynuclear aromatic hydrocarbons activating rat-liver preparations used in the mutagenicity test of Ames" 1919
"Effects of benzo(a)pyrene metabolites from rat liver S9 fraction on sister chromatid exchange frequency of human lymphocytes" 2005
"Anti-carcinogenic effects of the administration of a plant essential oil component, eugenol. I. Inhibition of mutagenicity of benzpyrene and 2-acetylaminofluorene by S-9 fraction of liver from eugenol-administered rats" 2017
"A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems" 1923
Rat Liver and Lung
"Arachidonic acid-dependent activation of benzo[a]pyrene to bind to proteins with cytosolic and microsomal fractions from rat liver and lung" 983
Rat Liver Cells
"Metabolic activation of procarcinogens to genotoxic products in cultured rat liver cells" 1645
Rat Liver Chromatin
"Interactions of an ultimate carcinogen, (+ or -)-7r,8t dihdroxy-9t,10t-oxy-7,8,9,10-tetrahydrobenzo(a)pyrene (BPDE-I), with purified rat liver chromatin" 1236
Rat Liver Endothelium
"12-O-Tetradecanoylphorbol-13-acetate promotion of carcinogen-treated rat liver endothelial cells" 1373
Rat Liver Enzyme
"Metabolism of acridine by rat-liver enzymes" 1646
"Identification of mutagenic metabolites of indeno[1,2,3-cd]pyrene formed in vitro with rat liver enzymes" 1785
"Effects of a 6 fluorosubstituent on the metabolism of benzo(a) pyrene 7 8 dihydrodiol to bay-region diol epoxides by rat liver enzymes" 1019
Rat Liver Epithelium
"Differences in responses of 4 adult rat-liver epithelial cell lines to a spectrum of chemical mutagens" 1933
Rat Liver Foci Assay
"Comparison of the ability of the mouse lung adenoma assay and the rat liver foci assay to detect chemical carcinogens" 1734

Rat Liver Foci Bioassay
"Liver initiation assay: The rat liver foci bioassay of carcinogens and noncarcinogens" 1733
Rat Liver Microsome(s)
"Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites" 1662
"The homogeneity of rat liver microsomal cytochrome P-448 activity and its role in the activation of benzo[a]pyrene to mutagens" 1739
"Relationship between the rate of reduction of benzo(a)pyrene-3 6-quinone and the formation of benzo(a)pyrene-3 6-quinol glucuronides in rat liver microsomes" 1529
"Post natal development of constitutive forms of cytochrome P-440 in liver microsomes of male and female rats" 1551
"Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites" 1286
"A comparative study of the metabolism of 6-methylbenzo(a)pyrene and benzo(a)pyrene by rat liver microsomes" 1332
"Effects of cucurbitacin B and peonol on the metabolism of benzo(a)pyrene in the microsome of rat liver" 1388
"The metabolism of 9,10-dimethylanthracene by rat liver microsomal preparations" 1499
"Formation of benzo(a)pyrene-3 6-quinol monoglucuronide and diglucuronide in rat liver microsomes" 1528
"Benzo(a)pyrene activation to 7,8-dihydrodiol 9,10-oxide by rat liver microsomes. Control by selective product inhibition" 938
"Metabolism of dibenz(a,j)acridine by Sprague-Dawley rat liver microsomes" 1036
"Participation of cytochrome P-450 in reductive metabolism of 1-nitropyrene by rat liver microsomes" 1808
"Monooxygenase induction by various xenobiotics and its influence on the rat liver microsomal metabolite profile of benz[a]anthracene" 924
"Metabolism of triphenylene by liver microsomes from control, phenobarbital(PB)-treated and 3-methylcholanthrene(MC)-treated rats" 1928
Rat Liver Nuclei
"Differences in the binding of the stereoisomeric benzo(a)pyrene-7 8-diol 9 10-epoxides to histones in rat liver nuclei" 1489
"Effect of benzo[a]pyrene on DNA synthesis and DNA polymerase activity of rat liver nuclei" 1814

Rat Lung
"Differential activities of rat and human lung glutathione S-transferase isoenzymes towards benzo(a)pyrene epoxides" 846
"Carcinogenesis, benzo[a]pyrene metabolism, and sister chromatid exchanges in lungs of rats after intratracheal 3- methylcholanthrene" 1766
"In vivo binding of benzo(a)pyrene to glutathione S-transferases of rat lung" 1872
"Multiplicative effect of inhaled plutonium oxide and benzo(a)pyrene on lung carcinogenesis in rats" 1603
"Activating and detoxifying metabolism of benzo(a)pyrene in the isolated perfused rat lung" 1433
"Contribution of rat lung and liver in-vivo to benzo(a)pyrene elimination at low concentrations" 1281
"Contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of gasoline engine exhaust condensate evaluated by implantation into the lungs of rats" 1322
"The metabolism of benzo(a)pyrene by the lungs of asbestos exposed rats" 1137
"Influence of routes of substrate administration on covalent binding and metabolism of benzo(a)pyrene in perfused rat lung" 1280
"Metabolism and macromolecular covalent binding of [14C]-1-nitropyrene in isolated perfused and ventilated rat lungs" 1118
"Metabolism of 1-(14C)nitropyrene in respiratory tract tissue of rats exposed to diesel exhaust" 1119
"Early cytokinetic and morphological response of rat lungs to inhaled benzo(a)pyrene, gallium oxide, and sulfur dioxide" 1001
"Binding of benzo(a)pyrene to rat lung glutathione S-transferases in vivo" 1871
"Covalent binding of benzo(a)pyrene in perfused rat lung following systemic and intratracheal administration" 898
"Chronic inhalation of diesel exhaust and coal dust effect of age and exposure on selected enzyme activities associated with microsomal cytochrome P-450 in rat lung and liver" 2129
"Investigation of absorption, metabolism kinetics and DNA-binding of intratracheally administered benzo[a]pyrene in the isolated, perfused rat lung: a comparative study between microcrystalline and particulate adsorbed benzo[a]pyrene"..... 1934
"In-vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs" 1911
Rat Lung Microsome(s)
"Interaction of certain metal ions with aryl hydrocarbon hydroxylase of rat lung microsomes" 1071

Rat Lung Tumors
"Pulmonary drug metabolizing enzymes in lung tumor bearing rats" 1238
Rat Lymph Nodes
"D-T diaphorase and NAD(P)H-NBT reductase activation. A biochemical and histochemical response of the lymph nodes of the rat to the administration of polycyclic hydrocarbons" 1838
Rat Mammary Carcinoma
"Characterization of steroid binding in estrogen dependent and independent rat mammary carcinomas" 1143
"Isolation of two syngeneic cell lines from a rat mammary carcinoma growth factor production by neoplastic epithelial cells" 1375
"Characterization of steroid binding in estrogen dependent and independent rat mammary carcinomas" 1143
Rat Mammary Cells
"Aberrant activation of benzo(a)pyrene in cultured rat mammary cells in vitro and following direct application to rat mammary glands in vivo" 1737
"Differences in mediated mutagenesis and polycyclic aromatic hydrocarbon metabolism in mammary cells from pregnant and virgin rats" 1624
Rat Mammary Cytosol
"Metabolic activation of 1-nitropyrene by rat mammary cytosol and rat mammary epithelial cells in culture" 1920
Rat Mammary Epithelium
"Metabolic activation of 1-nitropyrene by rat mammary cytosol and rat mammary epithelial cells in culture" 1920
Rat Mammary Glands
"Aberrant activation of benzo(a)pyrene in cultured rat mammary cells in vitro and following direct application to rat mammary glands in vivo" 1737
"Tumorigenesis of the rat mammary gland" 1580
"Carcinogenic responses to chemicals applied directly to rat mammary glands in-situ" 1383
Rat Mammary Tumors
"Tyrosine protein kinase activity in the 7-12-dimethylbenz(a) anthracene-induced rat mammary tumor inhibition by quercetin" 1522
"Induction of rat mammary gland tumors by 1-nitropyrene, a recently recognized environmental mutagen" 1377
"Comparative carcinogenicities of 1-, 2-, and 4-nitropyrenes (NP) and structurally related compounds for female CD rats following intraperitoneally injection" 1406
"Characterization of rat mammary tumor cell populations" 1087
Rat Mesothelial Cells
"Chromosomal changes in cultured rat mesothelial cells treated with 3,4-benzpyrene and/or chrysotile asbestos" . 1592

Rat Mesothelium
"In-vitro transformation of rat pleural mesothelial cells by chrysotile fibres and-or benzo 3 4 pyrene" 1418
Rat Pancreatic Cells
"Induction of unscheduled DNA synthesis in primary cultures of rat pancreatic cells following in vivo and in vitro treatment with genotoxic agents" 1889
"Measurement of DNA repair in primary cultures of rat pancreatic cells following in vivo treatment" 1890
Rat Pleural Mesothelial
"In vitro transformation of rat pleural mesothelial cells by chrysotile fibres and/or benzo[a]pyrene" 1715
"In-vitro transformation of rat pleural mesothelial cell cultures by benzo(a)pyrene" 1716
Rat Pleural Mesothelium
"Metabolism of benzo(a)pyrene in rat pleural mesothelial cells in culture" 1865
"Study of metabolism of benzo(a)pyrene in cultures of rat pleural mesothelial cells" 1866
Rat Salivary Gland
"The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N- nitroso-N-methylaniline in the Salmonella typhimurium assay" 1062
Rat Skin
"Persistence of BaP:DNA and BaP:protein adducts in mouse and rat skin" 1792
"Comparison of benzo[a]pyrene-DNA adduct levels in mouse and rat epidermis and dermis" 1793
"Tumor producing activity of dithranol anthralin and 2 of its 10 acyl analogs in the dorsal skin of female NMRI rats" 1557
"In vivo metabolism of topically applied benzo[a]pyrene-4,5-oxide in neonatal rat skin" 1214
"In-vivo metabolism of topically applied benzo(a)pyrene 4 5 oxide in neonatal rat skin" 1216
"Comparison of the effects of different carcinogens on rat skin" 2023
Rat Small Intestinal
"Dose dependent activation of rat small intestinal monooxygenase-activity towards benzo(a)pyrene and 7-ethoxycoumarin after oral pretreatment with cimetidine" 1123
Rat Stomach Wall
"Effect of 3,4-benzpyrene on the content of carbohydrate-protein biopolymers in the blood and gastric wall of rats" 930
Rat Trachea
"Effects of HCHO and benzopyrene in a new tracheal model (rats)" 1560

Rat Tracheal Epithelium
"Assessment of chemically-induced DNA repair in rat tracheal epithelial cells" 1242
Rat Tumors
"The paradoxical effect of vitamin C on benzo[a]pyrene-induced tumors and malignancy" 1434
"Elucidation of the variable effect of vitamin C on experimental malignant tumors in Wistar rats" 1435
Rat Urine
"Excretion of 3-hydroxy-benzo(a)pyrene and mutagenicity in rat urine after exposure to benzo(a)pyrene" 1428
"Metabolism of 1-nitro[14C]pyrene in vivo in the rat and mutagenicity of urinary metabolites" 1084
"Urinary excretion of 3-hydroxy-benzo[a]pyrene after percutaneous penetration and oral absorption of benzo[a]pyrene in rats" 928
"Mutagenicity of urine and feces after treatment of rats with known genotoxins" 1986
"Mutagens in rat urine and feces after treatment with genotoxic carcinogens" 1987
Rat(s)
"A 60-kilodalton oncofetal protein induction in rats by chemical carcinogens" 1336
"Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6- dinitropyrene in rats" 1692
"Benzo(a)pyrene metabolism in hepatic microsomes from female DA rats with a genetic sparteine oxidation deficiency" 1832
"Binding of benzo(a)pyrene to DNA in normal and vitamin A deficient rats" 890
"Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth" 1730
"Chemical carcinogens as specific inducers of a 60-kilodalton oncofetal protein in rats" 1335
"Coassimilation of dietary fat and benzo(a)pyrene in the small intestine: an absorption model using the killifish" 1958
"Dietary seaweed Laminaria and mammary carcinogenesis in rats" 1921
"Effect of immunization with tularemia vaccine on 3,4-benz(a)pyrene induced blastomogenesis and mutagenesis in rats" 1658
"Effect of vitamin A deficiency on pulmonary and hepatic in vitro metabolism of benzo(a)pyrene in rat" 892

Rat(s) (cont)
"Effect of 3,4-benz(a)pyrene on the microscopic anatomy of regional lymphatic nodes of the female rat in pregnancy" 1006
"Effect of benzo(a)pyrene treatment of neonatal and growing rats on steroid receptor binding capacity in adulthood" 881
"Effect of inhalation of coal fly ash on vitamin A distribution in organs of the rat" 873
"Effect of intratracheally instilled benzo(a)pyrene on the pulmonary and hepatic drug-metabolizing enzymes in normal and vitamin A deficient rats" 891
"Effects of dietary lipid saturation on prolactin secretion carcinogen metabolism and mammary carcinogenesis in rats" 1178
"Enterohepatic circulation of benzo(a)pyrene-4 5-oxide in the rat" 1263
"Evidence for N-(deoxyguanosin-8-yl)-1-aminopyrene as a major DNA adduct in female rats treated with 1-nitropyrene" 1887
"Excretion and metabolism of 1-nitropyrene in rats after oral or intraperitoneal administration." 1247
"Experimental ovarian toxicity following intraovarian injection of benzo(a)pyrene or its metabolites in mice and rats" 1915
"Immunological identity of a 60 kd oncofetal protein induced in rats by chemical carcinogens and released by transformed cells" 910
"Implication of the "4S" polycyclic aromatic hydrocarbon binding protein in the transregulation of rat cytochrome P-450c expression" 1389
"In-vivo distribution of benzo(a)pyrene in male rats" ... 1038
"Induction of sarcomas in rats by subcutaneous injection of dinitropyrenes" 1693
"Induction of cytochrome P-448 in cultured fetal rat hepatocytes by benz(a)anthracene and dexamethasone" 1572
"Influence of anthraquinones on mucus secretions and transport of water and electrolytes in rat colon in-situ" 1515
"Inhibition of 7-12-dimethylbenz(a)anthracene induced rat mammary carcinogenesis by concomitant of post carciogen anti oxidant exposure" 1579
"Inhibition of the mutagenic activity of some heterocyclic dietary carcinogens and other mutagenic/carcinogenic compounds by rat organ preparations" 1149
"Metabolism of benzo(a)pyrene and diethylnitrosamine by lung cells of rats, mice and hamsters" 1767
"Metabolism of 1-nitropyrene in germ-free and conventional rats" 1458

Rat(s) (cont)
"Metabolism and enterohepatic circulation of benzo(a)pyrene-4 5-epoxide in the rat" 1262
"Metabolism of phenanthrene by the rat and the guinea pig" 956
"Metabolism of the carcinogen 7-methylbenz(c)acridine in the rat" 2003
"Metabolism of benzo(a)pyrene and excretion of metabolites by control rats and rats given pretreatment with enzyme inducers, phenobarbital and 3-methylcholanthrene" 1964
"Modification of nucleic acids with 1-nitropyrene in the rat: identification of the modified nucleic acid base" .. 1349
"Nitroaromatics--carcinogenicity and metabolism (rats)" . 1260
"Oncogene of sarcomas induced by 1-8-dinitropyrene in rats" 1686
"Pre treatment of rats and hamsters with di ethyl stilbestrol effects on metabolic enzyme activity and AMES test results" 1139
"Pulmonary retention of [14C]benzo[a]pyrene in rats as influenced by the amount instilled" 1591
"Salivary gland carcinogenesis in rats a model for nutritional studies" 1342
"Secondary metabolites of benzo[a]pyrene: 3-hydroxy-trans-7,8-dihydro-7,8-dihydroxybenzo[a]pyrene, a biliary metabolite of 3- hydroxybenzo[a]pyrene in the rat" 997
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administrated to rats in different amounts of dietary fat" 1495
"Similar bioavailability and lymphatic transport of benzo(a)pyrene when administered to rats in different amounts of dietary fat" 950
"Species- and length of exposure-dependent differences in the benzo(a)pyrene:DNA adducts formed in embryo cell cultures from mice, rats, and hamsters" 1845
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene- induced breast cancer in rats" 1740
"Studies on the fate of carbazole in rats" 1348
"Studies on the inhalation toxicity of dyes present in colored smoke munitions. Phase III, Studies: Four-week inhalation exposures of rats to dye aerosols" 1106
"The effect of changes in intra vascular pressure on bone tumor induction in rats" 1801
"The ability of fetal liver microsomes of rats and mice to activate indirect mutagens in Salmonella mutagenicity test" 1813

Rat(s) (cont)
"The effect of carbon black ingestion on 1,2-dimethylhydrazine-induced colon carcinogenesis in rats and mice" 1727
"The effects of fractionated thermally oxidized corn oil on drug- metabolizing enzyme systems in the rat" 1732
"The effect of medroxyprogesterone acetate on the hepatic drug-metabolizing enzymes in normal and protein-deficient female rats" 1649
"The effect of immunization with tularemia vaccine on carcinogenesis and mutagenesis induced by 3,4-benz(a)pyrene in rats" 1659
"The effect of chrysene and some polycyclic aromatic hydrocarbons on the elimination of theophylline in rats" 1132
"The effect of vitamin A deficiency on the initiation and postinitiation phases of benzo(a)pyrene-induced lung tumorigenesis in rats" 1237
"Tissue distribution and partial purification of a receptor protein for polycyclic aromatic hydrocarbons in the DBA/2J-mouse and Sprague-Dawley rat" 2030
"Toxicokinetics of benzo(a)pyrene in rats following intratracheal installation" 1979
"Vitamin A status and metabolism of benzo[a]pyrene in the rat" 1355
Rate of Disappearance
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
Reaction Mechanisms
"The different reaction mechanisms by which chlorine and chlorine dioxide react with polycyclic aromatic hydrocarbons (PAH) in water" 465
Reactivity
"A periodic table for polycyclic aromatic hydrocarbons. Part VII, 1-factors and 2-factors of benzenoid hydrocarbons" 48
"Reactivity and stereochemical parameters in QSAR for carcinogenic polycyclic aromatic hydrocarbon derivatives" 177
"Relative thermochemical stabilities and reactivities of benzo(a)pyrene and selected isomers" 318
"Structural effects in reactivity and adduct formation of polycyclic aromatic epoxide and diol epoxide derivatives with DNA: comparison between 1-oxiranylpyrene and benzo[a]pyrenediol epoxide" 940
Real Time
"Design and operation of a real-time polynuclear aromatic hydrocarbon (PAH) monitor for the analysis of combustion products formed in the incineration of Navy colored smoke compositions" 722

Real Time (cont)
"Real-time fluorescence analysis of the controlled incineration of army colored smoke compositions" 723
Real-time Monitoring
"On-line instrumentation for the real-time monitoring of polynuclear aromatic hydrocarbons in the effluents from a fluidized bed combustor - A feasibility study. ERDA/440300" 42
Receptor Models
"Receptor modeling for carbonaceous aerosols: source characterization. NEPA/600/D-85/004" 675
"A new approach to the identification of sources of airborne mutagens and carcinogens: receptor source apportionment modeling" 610
"Receptor models for airborne organic species NEPA/600/3-85/014" 275
Receptor Protein
"Tissue distribution and partial purification of a receptor protein for polycyclic aromatic hydrocarbons in the DBA/2J-mouse and Sprague-Dawley rat" 2030
Receptor Site
"Characterization of organics in aerosol samples from a Los Angeles receptor site using extraction and liquid chromatography methodology" 344
Recombinational Events
"Mutational and recombinational events in carcinogen-modified plasmid DNA influence of host-cell repair genes" 1046
Recovery
"Lysosomal responses to a polynuclear aromatic hydrocarbon in a marine snail: effects of exposure to phenanthrene and recovery" 979
Recycled Aluminum
"Occupational hygiene in the production of recycled aluminum" 2134
Red Blood Cells
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of the skin and hemoglobin of red blood cells" 1859
"Examination of adduct formation in vivo in the mouse between benzo(a)pyrene and DNA of skin and hemoglobin of red blood cells" 1861
"Micronuclei in red blood cells of the newt Pleurodeles waltl after treatment with benzo(a)pyrene: dependence on dose, length of exposure, posttreatment time, and uptake of the drug" 1325
Red Ginseng
"Effect of red ginseng on natural killer cell activity in mice with lung adenoma induced by urethane and benzo(a)pyrene" 2021

Redistribution
"Public health basis for redistribution of chemical and biological pollutants in water" 2093
Redox Cycles
"Protection against toxic redox cycles between benzo(a)pyrene-3 6-quinone and its quinol by 3 methylcholanthrene-inducible formation of the quinol mono and diglucuronide" 1524
Reference Materials
"Polycyclic aromatic compounds of environmental and occupational importance - Their occurrence, toxicity and the development of high purity certified reference materials. Part I" 2094
Refinery Effluent
"Benz(a)pyrene input and occurrence in a marine area affected by refinery effluent" 695
Refinery Emissions
"Laser microprobe mass analysis of refinery source emissions and ambient samples" 623
Refinery Wastewaters
"Components in petroleum refinery wastewaters" 682
"Study of components in petroleum refinery wastewaters" . 683
Regenerating Limbs
"Studies of the effects of cancer-inducing and -promoting chemicals on newt regenerating and nonregenerating limbs" 1025
Regulation
"Regulation of 3 rabbit liver benzo(a)pyrene hydroxylases" 926
Regulation(s)
"New York State techniques and experience in regulating toxic air contaminants" 2217
Regulatory Gene
"Aryl hydrocarbon hydroxylase induction by benzo[a]anthracene: regulatory gene localized to the distal portion of mouse chromosome 17" 955
Remote Detection
"Remote detection of polynuclear hydrocarbons using laser-induced fluorescence" 127
Removal
"Removal of toxic organics by overland flow" 2210
"Role of bacteria in removal of benzo(a)pyrene from byproduct coking industry wastewater" 2208
Removal Kinetics
"Toxic organics removal kinetics in overland flow land treatment" 2190
Replication
"DNA repair and replication in human fibroblasts treated with racemic R-7 T-8 dihydroxy-T-9 10-epoxy-7 8 9 10-tetrahydrobenzo(a)pyrene" 1444

Replication Inhibition
"DNA strand breaks and replication inhibition by benzo(a)pyrene in mammalian cells" 1707
Reproducibility
"Reproducibility of microbial mutagenicity assays 1. Tests with Salmonella-typhimurium and Escherichia-coli using a standardized protocol" 1244
Reproduction
"Effects of temperature, feeding and acridine on reproduction of the calanoid copepod, Diaptomus clavipes Schacht" 1184
"Effects of acridine and temperature on the survival, development growth and reproduction of Diaptomus Clavipes Schacht" 1185
"Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete Nereis virens" 900
"Pollutant body burdens and reproduction in Platichthys Stellatus from San Francisco Bay. Final report" 1013
"Reproductive toxicity associated with endometrial cell mediated metabolism of benzo[a]pyrene: a combined in vitro, in vivo approach" 1404
Reservoirs
"Distribution of some polycyclic aromatic hydrocarbons in water reservoirs of Estonia" 531
Residence Time
"Atmospheric residence time of carbonaceous particles and particulate PAH-compounds" 420
Residential Furnaces
"Investigation on the carcinogenicity of emission condensate from brown coal-fired residential furnaces applied to mouse skin" 1224
Residential Woodburning
"Ambient air monitoring study of residential woodburning in Mio, Michigan" 628
"Health risks of residential wood heat" 2231
Resin Containing Waste Gas
"Thermooxidative treatment of resin-containing waste gases from the fish-smoking industry" 791
Resistance
"Changes in resistance to cancer during chemical carcinogenesis" 1826
Resource Recovery
"Assessment of emissions of specific compounds from a resource recovery municipal refuse incinerator NEPA/560/15-84/002" 657
Respiration
"Average daily respiratory intake of polycyclic aromatic hydrocarbons in ambient air determined by capillary gas chromatography" 2115

Respiration (cont)
"Biochemical studies of the tracheobranchial epithelium" 1570
"Differential activities of rat and human lung glutathione S-transferase isoenzymes towards benzo(a)pyrene epoxides" 846
"Metabolism of 1-(14C)nitropyrene in respiratory tract tissue of rats exposed to diesel exhaust" 1119
"Possible biological fate of inhaled pollutants: interactions with biological molecules and chemical carcinogens" 1523
"Pulmonary activation of carcinogens by baboons" 1568
"Studies on the tumor initiating, tumor promoting, and tumor co-initiating properties of respiratory carcinogens" 1665
"The effect of 3,4-benzo(a)pyrene on the photosynthetic and respiratory intensity of the green alga Scenedesmus Quadricauda" 836
Respiratory Effects
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1493
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1125
"Persistence of DNA adducts of 7 8 dihydroxy-9 10-oxy-7 8 9 10- tetrahydrobenzo(a)pyrene in lymphocytes of nonsmokers smokers and patients with bronchial carcinoma" 1072
"A model of bronchogenic carcinoma in the Golden Syrian hamster" 1076
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1124
"Harmful industrial substances - Toxicological and medical basis for the establishment of maximum permissible concentrations 10th supplement" 2220
Respiratory Epithelium
"Studies on the action of tumor promoters and antipromoters on respiratory-tract epithelium" 1667
Respiratory Irritant
"Studies on the inhalation toxicity of dyes present in colored smoke munitions. Phase III, Studies: Four-week inhalation exposures of rats to dye aerosols" 1106
Respiratory Organs
"Status of respiratory organs of workers in the manufacture of high-carbon ceramics" 2076
Respiratory System
"Respiratory system function in workers engaged in the manufacture of graphite articles" 2075
Respiratory Tissues
"Nitropyrene: DNA binding and adduct formation in respiratory tissues" 923

Respiratory Tract
"Tumor enhancement factors and mechanisms in the hamster respiratory tract carcinogenesis model" 1807
"Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route" 1736
"The use of cell and organ culture from the respiratory tract for testing chemicals" 1621
"Interactions of asbestos and polycyclic aromatic hydrocarbons in carcinogenesis of the respiratory tract" 1636
"In-vivo studies on enhancement and promotion of respiratory tract carcinogenesis studies with heterotopic tracheal transplants" 1463
Respiratory Tract Cancer
"Mechanisms of multistage chemical carcinogenesis and their relevance to respiratory tract cancer" 1975
Respiratory Tract Tumors
"Modifying effect of vitamin A on benzo[a]pyrene-induced respiratory tract tumours in hamsters" 1095
"Modifying effect of dietary fat on benzo[a]pyrene-induced respiratory tract tumors in hamsters" 1096
"Respiratory tract tumors in hamsters after severe focal injury to the trachea and intratracheal instillation of benzo[a]pyrene" 1783
Retention
"Correlation of the retention data of poly aromatic hydro carbons obtained on various stationary phases used in normal and reversed phase liquid chromatography" 93
"The correlation between molecular polarizability of PAHs and their retention data on various stationary phases in reversed-phase HPLC" 94
"The influence of the pore size of bonded phases containing phenyl groups in the retention of polycyclic aromatic hydrocarbons in reversed-phase liquid chromatography" 96
Retention Indices
"Relationship between gas chromatographic retention indices and molecular connectivities of nitrated polycyclic aromatic hydrocarbons" 49
"Prediction of retention indices of the polynuclear aromatic hydrocarbons. Part 1. HPLC on nitrogen containing normal phase packing materials. ERDA/400105" 101
"Gas-liquid chromatographic analyses. XXXIV. Separation and retention indices with retention increments of some nitrated polynuclear aromatic hydrocarbons on a low-polarity (SE-30) capillary column" 112

Retention Indices (cont)
"Prediction of retention indicies of polynuclear aromatic hydrocarbons. Part II. Capillary gas chromatography ERDA/400105" 78
"Principles of the changes of retention indexes for polycyclic aromatic hydrocarbons in relation to their structure and stationary phase polarity" 166
"Analysis of aromatic hydrocarbons. Prediction of gas chromatographic retention indexes on different stationary phases and temperatures" 168
Retention Prediction
"Microcolumn liquid chromatography combined with computer-assisted retention prediction system for polycyclic aromatic hydrocarbons in an extract from diesel particulate matter" 697
"Microcomputer-assisted retention prediction system in reversed-phase HPLC" 95
Retrovirus
"Interaction between nontransforming retroviruses and chemicals in cells in-vitro association with progression to neoplastic phenotypes" 1897
Reverse Phase Separation
"Reverse-phase separation method for determining pollutant binding to Aldrich humic acid and dissolved organic carbon of natural waters" 379
Reversed Phase HPLC
"Comparison of six different reversed-phase HPLC columns used to separate benzo(a)pyrene metabolites" 190
Reversed Phase Partition
"Gas chromatographic-mass spectrometric investigations on lipophilic anthropogenic substances in marine organisms. I. A clean-up- procedure consisting of liquid-liquid and reversed phase (octadecyl)-partitioning" 180
Rhabdomyosarcoma
"Elucidation of the variable effect of vitamin C on experimental malignant tumors in Wistar rats" 1435
"The paradoxical effect of vitamin C on benzo[a]pyrene-induced tumors and malignancy" 1434
Rice
"Determination of benzo(a)pyrene in rice" 505
Rice Straw Model
"Mutagenicity and chemical characterization of organic constituents in rice straw smoke particulate matter" 731
Risk
"Mutagenic and carcinogenic nitroarenes in diesel emissions: risk identification" 2229

Risk Analysis
"Drug-nutrient interactions and their implications for safety evaluations" 2214
"Risk analysis of hazardous materials in oil shale" 2218
"The air toxics problem in the United States: an analysis of cancer risks for selected pollutants" 2219
"IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 33: Polynuclear Aromatic Compounds, Pt. 2: Carbon Blacks, Mineral Oils and Some Nitroarene Compounds" 2222
"International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 35: Polynuclear Aromatic Compounds, Pt. 4: Bitumens, Coal-Tars, and Derived Products, Shale-oils, andSoots" 2223
"Air emission risk assessment model: benzo(a)pyrene and arsenic emissions from the Mt. Tom Power Plant" 2225
"Pyrolytic emissions, profiles of polycyclic aromatic hydrocarbons and lung cancer risk - data and evaluation" 2227
"Health risks of residential wood heat" 2231
Risk Factors
"Cocarcinogens of the tumour-promoter type as potential risk factors of cancer in man. A first complete experimental analysis of an etiological model situation and some of its consequences" 1359
River
"Carcinogenic effects of river sediment extracts in fish and mice" 1109
RNA
"Enzyme immunoassay of benzo(a)pyrene conjugated to DNA, RNA and microsomal proteins using a monoclonal antibody" 1962
RNA Adduct(s)
"Formation and persistence of DNA, RNA, and protein adducts in mouse skin exposed to pure optical enantiomers of 7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydroben o(a)pyrene in vivo" 1723
Roadside
"Polycyclic aromatic hydrocarbons and lead in roadside lettuce and rye grain" 380
Roadway Paving
"Environmental feasibility of using creosote contaminated soil and sludges in roadway paving structures" 573
Roast Lamb
"Determination of benzo(a)pyrene in Beijing roast duck and roast lamb" 829
Rock Oysters
"Polycyclic aromatic hydrocarbons in rock oysters: a baseline study" 355

Rocky Mountain Lakes
"Evidence of deposition of anthropogenic pollutants in remote Rocky Mountain lakes" 330
Rodent Cell Culture
"The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation" 1399
Rodent Cells
"Analogous patterns of benzo[a]pyrene metabolism in human and rodent cells" 1848
Rodent Lung
"Comparative study on the behavior of particulates from diesel and gasoline engines in the lungs of rodents elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin deethylase" 1215
Rodent Microsomes
"Benzo(a)pyrene and 6-nitrobenzo(a)pyrene metabolism in human and rodent microsomes and tissue culture" 1850
Rodent Skin
"Metabolic activation of chrysene comparative studies with rodent and human skin" 1977
"Comparative studies of the metabolic activation of chrysene in rodent and human skin" 1978
Rodents
"Carcinogenic activity of coal flue gas and fractions thereof" 1413
"Comparative benzo[a]pyrene metabolite patterns in fish and rodents" 974
"Long-term inhalation studies with rodents" 1364
Roofing
"Mutagenicity of the fractionated organic emissions from diesel, cigarette smoke condensate, coke oven, and roofing tar in the Ames assay" 2044
Rotational Motions
"The effects of pressure and cholesterol on rotational motions of perylene in lipid bilayers" 876
Round Robin Investigation
"Round robin investigation of organic compounds in aqueous leachates of solid wastes: Application to H-coal filter cake leachates" 571
Rubber Combustion
"Characterization and temperature dependence of PAH emissions from a simulated rubber combustion operation" . 693
Rural Area
"Occurrence of nitro-PAH in the atmosphere in a rural area" 425
"Mutagenicity and chemical analysis of airborne particulates from a rural area in Italy" 1771

Rye
"Polycyclic aromatic hydrocarbons and lead in roadside lettuce and rye grain" 380
SA-7 Virus
"Chemical enhancement of SA-7 virus transformation of hamster embryo cells interlaboratory testing of diverse chemicals" 1353
Saccharomyces cerevisiae
"Osmotic-sensitive mutants of Saccharomyces cerevisiae as screening organisms for promutagens and procarcinogens" 1629
"The properties of highly purified cytochrome P-448 and its dependent activity benzo(a)pyrene hydroxylase from saccharomyces- cerevisiae" 941
Safety
"Problem of the working environment in the Usti nad Labem pressure gas plant" 2054
Safety Evaluations
"Drug-nutrient interactions and their implications for safety evaluations" 2214
"Multi-disciplined approach to the safety evaluation of chemicals with special emphasis on carcinogenic toxicity. The ED01 study" 2226
Saline Waters
"Sensitivity of young striped bass to organic and inorganic contaminants in fresh and saline waters" 989
Salinity
"The effects of temperature and salinity on the aqueous solubility of polynuclear aromatic hydrocarbons" 538
Salivary Gland
"Salivary gland carcinogenesis in rats a model for nutritional studies" 1342
"Lipid composition of transplantable tumors of the salivary glands" 1054
Salmo gairdneri
"Alterations in patterns of excretion and other metabolic functions in developing fish embryos exposed to benzo(a)pyrene" 1471
Salmo salmonidae
"Uptake and excretion of benzo(a)pyrene by trout embryos and sac fry" 1472
Salmon Embryos
"A reliable, efficient, microinjection apparatus and methodology for the in vivo exposure of rainbow trout and salmon embryos to chemical carcinogens" 1110
Salmonella
"1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice" 1932

Salmonella (cont)
"A quantitative comparison of a percentile rule with a 2-fold rule for assessing mutagenicity in the AMES assay" 1157
"An evaluation of salmonella (AMES) test data in the published literature: Application of statistical procedures and analysis of mutagenic potency" 1577
"Computer analysis of toxicological data bases: mutagenicity of aromatic amines in Salmonella tester strains" 1467
"Contribution of wood combustion to indoor air pollution as measured by mutagenicity in Salmonella and polycyclic aromatic hydrocarbon concentration" 563
"DNA adduct formation and mutation induction by nitropyrenes in Salmonella and Chinese hamster ovary cells: relationships with nitroreduction and acetylation" 1361
"Effects of triterpenes on the mutagenicities of various mutagens toward Salmonella" 2010
"Metabolism of 1,8-dinitropyrene by Salmonella typhimurium" 1140
"Metabolism of 1,8-dinitropyrene in Salmonella Typhimurium" 1141
"Mutagenesis of amino and/or methyl analogs of acridine in Salmonella and yeast: a comparison between the spot-test and the pre- incubation methods" 1314
"Mutagenicity of pyrene in Salmonella" 1573
"Mutagenicity studies of P-substituted benzyl derivatives in the AMES salmonella plate-incorporation assay" 1080
"Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleoside modification by stereoisomeric benzo(a)pyrene 7,8-diol-9,10-epoxides" 1142
"Petroleum distillates suppress in-vitro metabolic activation higher S-9 required in the Salmonella and microsome mutagenicity assay" 1156
"Petroleum distillates suppress in vitro metabolic activation: higher [S-9] required in the Salmonella/microsome mutagenicity assay" 1160
"Possible involvement of a vicinal non-bay-region dihydrodiolepoxide in the activation of dibenzo(a,e)fluoranthene into bacterial mutagens" 1554
"Salmonella microsome mutagenicity of monochloro derivatives of some dicyclic tricyclic and tetracyclic aromatic hydrocarbons" 1539
"Salmonella/microsome mutagenicity of monochloro derivatives of some di-, tri- and tetracyclic aromatic hydrocarbons" 1536

Salmonella (cont)
"Salmonella/microsome mutagenicity of 1-nitropyrene-2-ol, a nitropyrene phenol formed in the photolysis of 1-nitropyrene" 1540
"The use of the Salmonella/microsome mutagenicity test for the characterization of organic extracts from ambient particulate matter" 1535
"Tumor-initiating activity mutagenicity and metabolism of methylated anthracenes" 1492
"Validation of the salmonella (SV50)/arabinose-resistant forward mutation assay system with 26 compounds" 2008
Salmonella Activation
"Reduced mutant yield at high doses in the Salmonella/activation assay: the cause is not always toxicity" 1586
Salmonella Assay
"Pluronic polyol F-127 as an effective vehicle for petroleum hydrocarbons in the Salmonella and microsomal assay" 1564
"Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified Salmonella assay requiring smaller sample volumes" 1055
Salmonella Microsome Assay
"Antimutagenic activity of some naturally occurring compounds towards cigarette-smoke condensate and benzo[a]pyrene in the Salmonella/microsome assay" 1927
Salmonella Mutagenicity
"The ability of fetal liver microsomes of rats and mice to activate indirect mutagens in Salmonella mutagenicity test" 1813
Salmonella typhimurium
"The stability of mutagenic chemicals stored in solution" 147
"Testing of 2,4,5-T-amino acid conjugates for mutagenic activity in salmonella typhimurium strains" 1765
"Enhancement of DNA binding and mutagenicity of 1-nitropyrene by zinc acetate in Salmonella typhimurium TA100" 1810
"Mutagenicity of pyrolyzates of natural substances on Salmonella- typhimurium TA-97" 1811
"Mutagenicity of polycyclic aromatic hydrocarbons and quinones on Salmonella typhimurium TA97" 1812
"Induction of SOS functions is not required for rec-a-positive dependent mutagenicity of 9 amino acridine in Salmonella- typhimurium strain TRPE-8" 1744
"Mutagenicity of algal metabolites of benzo(a)pyrene for Salmonella typhimurium" 1835

Salmonella typhimurium (cont)
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"A simple test system (UMU test) for the detection of environmental mutagens. 2. Improvement of sensetivity by employing salmonella typhimurium TA1535 as a host strain" 1688
"The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains" 1690
"Dinitropyrene-resistant Salmonella-typhimurium and escherichia-coli are deficient in an acetylcoenzyme a acetyltransferase" 1701
"Polar organic compounds in urban aerosols identification and mutagenicity in the Salmonella-typhimurium mammalian microsome bioassay" ... 1627
"Polar organic compounds in urban aerosols and their mutagenic activity in the Ames test with S. typhimurium" 1628
"1-Nitrosopyrene: an intermediate in the metabolic activation of 1-nitropyrene to a mutagen in Salmonella typhimurium TA1538" 1362
"Mutagenicity of pyrenequinone and perylene quinone on Salmonella- typhimurium" 1488
"Identification of the DNA adduct formed by metabolism of 1,8-dinitropyrene in Salmonella typhimurium" 1067
"Reproducibility of microbial mutagenicity assays 1. Tests with Salmonella-typhimurium and Escherichia-coli using a standardized protocol" 1244
"Frameshift mutagenesis by acridines in wild-type, uvrB and polA strains of Salmonella typhimurium with and without plasmid pKM101" 1273
"Dinitropyrene-resistant Salmonella typhimurium are deficient in an acetyl-CoA acetyltransferase" 988
"The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N- nitroso-N-methylaniline in the Salmonella typhimurium assay" 1062
"Effect of nitro substitution on the light-mediated mutagenicity of polycyclic aromatic hydrocarbons in Salmonella typhimurium TA98" 1982
"Testing for mutagens in an aluminum plant. The results of Salmonella typhimurium tests on expectorates from exposed workers" 2104
"Mutagenicity of selected functionalized benz(c)acridines and a benz(a)phenazine in the salmonella-typhimurium microsome assay" 1961
"Mutagenicity of the sunlight-exposed sample of pyrene in Salmonella typhimurium TA98" 1913

Salmonella/Oxygenase Test
"Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system" 1677
Salt Marsh
"Effects of autumn application of oil on Spartina alterniflora in a Texas salt marsh" 535
"Effects of organic pollutants on methanogenesis, sulfate reduction and carbon dioxide evolution in salt marsh sediments" 366
Sample Enrichment
"Sample enrichment for gas chromatographic-mass spectrometric analysis of polynuclear aromatic hydrocarbons in water and in organic mixtures" 30
Sampling
"A preliminary study on the preservability of benzo(a)pyrene in stored atmospheric particulate matter samples" 6
"Analysis of Shpol'skii fluorometry at 10 K for polynuclear aromatic hydrocarbons in the environment: sampling and extraction procedures, quantitative results" 544
"Analytical and sampling methodology for characterization of polynuclear aromatic compounds in indoor air" 215
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
"Candidate sampling and analysis methods for twenty-one suspect carcinogens in combustion emissions" 606
"Exhaust gas sampling and analysis in small-scale synfuel combustion" 643
"In-stack dilution technique for the sampling of polycyclic organic compounds. Application to effluents of a domestic waste incineration plant" 684
"Industrial hygiene sampling at Rio Blanco oil shale facility. 2. Sampling during burn of retort one" 2086
"Influence of volatility on the collection of polycyclic aromatic hydrocarbon PAH vapors with polyurethane foam" . 227
"Methods of monitoring occupational exposure in aluminum smelters" 2152
"Optimization of sampling methods and of the analysis of polycyclic aromatic hydrocarbons and their nitrogen derivatives - determination of their stability in the atmosphere" 263
"Polyaromatic hydrocarbon sampling system for industrial equipment. Evaluation and preliminary results" 21
"Problems in sampling the polycyclic aromatic hydrocarbons and air-dispersed particles" 153

Sampling (cont)
"Rapid sampling and analysis of volatile constituents of airborne particulate matter" 316
"Report of the instrumentation panel on future research needs" 2169
"Sampling and analysis of polycyclic aromatic hydrocarbons (PAH) from two-stroke chain-saw engines" ... 717
"Sampling and analysis of polycyclic aromatic hydrocarbons (PAH) from two-stroke chain-saw engines" ... 717
"Sampling and analysis of bitumen fumes" 27
"Sampling ambient air for mutagenicity testing by high-volume filtration on glass-fiber filters and on XAD-2" 4
"Sampling and analysis methodology for semivolatile and nonvolatile organic compounds in air" 162
"Some recommendations for siting ambient monitors at synfuel plants" 314
"Technical rules for application of the Ordinance on dangerous industrial substances" 2213
"Trace organic compounds in rain. 1. Sampler design and analysis by adsorption/thermal desorption (ATD)" 440
"Use of bonded phase silica sorbents for the sampling of priority pollutants in wastewaters" 37
"Vapor-phase sampling of organic compounds" 98
Sand
"Determination of organic pollutants in the air and in the used sands of iron foundries" 2089
Sand Aquifer
"Migration of wood-preserving chemicals in contaminated groundwater in a sand aquifer at Pensacola, Florida" 313
Sanitation Measures
"Industrial-hygienic evaluation of the effectiveness of sanitation measures adopted in the anodic material shop of the aluminum plant" 2149
Sarcoma
"Induction of sarcomas in rats by subcutaneous injection of dinitropyrenes" 1693
"Oncogene of sarcomas induced by 1-8-dinitropyrene in rats" 1686
Sauna Air
"Polycyclic aromatic hydrocarbons in Finnish sauna air" . 2088
Sausages
"Health and environmental protection in hot-smoking of small cooked sausages" 2120
Scallops (Pecten maximus)
"Determination of polyaromatic hydrocarbons in scallops (Pecten maximus) by UV fluorescence and HPLC combined with UV and fluorescence detectors" 299

Scalp Hair Follicles
"In vivo induction of aryl hydrocarbon hydroxylase in human scalp hair follicles by topical application of a commercial coal tar preparation" 1402
Scanning Microscopy
"Comparative quantitative study of nuclei and nucleoli in cultures of control mouse fibroblasts and transformed fibroblasts using silver nucleolus organizer region staining and scanning microscopy with detection ofretrodiffusable electrons" 1020
Scavenging
"Scavenging of airborne polycyclic aromatic hydrocarbons by rain" 527
Scenedesmus quadricauda
"The effect of 3,4-benzo(a)pyrene on the photosynthetic and respiratory intensity of the green alga Scenedesmus Quadricauda" 836
"Influence of 3 4 benzopyrene on the ultrastructure of the green alga Scenedesmus-Quadricauda in synchronous culture" 837
"Benzo(a)pyrene effects on macromolecular synthesis in synchronous Scenedesmus-quadricauda" 1040
Screening
"In-vitro short-term testing systems as prescreening for potential carcinogens simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V-79 cells" 1654
"New approach for screening polynuclear aromatic pollutants in indoor air. ERDA/500200" 207
"Osmotic-sensitive mutants of Saccharomyces cerevisiae as screening organisms for promutagens and procarcinogens" 1629
Screening Assay
"Syrian hamster embryo cell transformation as a screening assay source of variability" 1943
Screening Methods
"Screening methods for PAH (polycyclic aromatic hydrocarbons) priority pollutant in wastewater" 163
Screening Procedure
"Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples" 210
"Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples" 211
Scrubber Wastewater
"Removal of polynuclear aromatic hydrocarbons from primary aluminum air pollution control scrubber wastewater" 2195

Scrubber Wastewater (cont)
"Removal of polynuclear aromatic hydrocarbons from primary aluminum air pollution control scrubber wastewater" 2184
Sea
"Photooxidative behavior of crude oils relative to sea pollution. Part I. Comparative study of various crude oils and model systems" 800
"Pollution and the circulation of toxic pollutants in the Baltic Sea ecosystem" 517
Sea Urchin Embryos
"Potential uses of sea urchin embryos for identifying toxic chemicals: description of a bioassay incorporating cytologic, cytogenetic and embryologic endpoints" 1387
Seafood
"Total hydrocarbons, polycyclic aromatic hydrocarbons and synthetic organic compounds in the hard shell clam Mercenaria, purchased at commercial seafood stores" 459
Seasonal Variation
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858
Seasonality
"Seasonal variation of the xenobiotic metabolizing enzyme activities in the liver of male and female Vendace Coregonus-albula" 1533
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
Seawater
"Algae as indicators of seawater pollution by polycyclic arenes" 530
"Analysis of polynuclear aromatic hydrocarbons in shellfish, sea bottom sediments and sea water by high performance liquid chromatography" 513
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
"Detection of polynuclear aromatic hydrocarbons in shellfishes, seabottom sediments and sea water by high performance liquid chromatography" 514
"Favorable interaction between photooxidation and bacterial degradation of anthracene in sea water" 469
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477
"Identification and determination of some trace organic compounds in coastal seawater of northern Greece" 302

Seawater (cont)
"Observation of abnormal solubility behavior of aromatic hydrocarbons in seawater" 539
"On the sensitized photo-oxidation of alkylbenzenes in seawater" 285
"Prediction of seawater solubility of aromatic compounds" 329
Sebaceous Gland Tumors
"Sebaceous gland tumors caused by a single dose of dimethylbenz(a) anthracene to mouse skin" 1788
Secondary Wastewater
"Organic contaminant behavior during rapid infiltration of secondary wastewater at the Phoenix 23rd Avenue Project" 255
Sedimentary Rock
"Determination of series of aromatic isomers by high resolution spectrofluorometry and capillary gas chromatography in HPLC fractions of crude petroleums and sedimentary rock extracts" 638
"Observation of the relative distribution of monomethylphenanthrenes on a series of sedimentary rocks from Mahakam delta (Indonesia)" 305
Sedimentation
"Vertical transport and sedimentation of hydrocarbons in the central main basin of Puget Sound, Washington (USA)" 242
Sediments
"1981 Buffalo, New York area sediment survey (BASS) EPA-905/3-84-001" 467
"A sediment quality triad: measures of sediment contamination, toxicity and infaunal community composition in Puget Sound (Washington, USA)" 392
"A simplified analysis of polynuclear aromatic hydrocarbons in soil and sediment by high performance liquid chromatography" 236
"A test procedure to predict the bioavailability of heavy metals, polychlorinated biphenyls and polyaromatic hydrocarbons to animals colonizing an intertidal wetland" 1869
"Analysis of polynuclear aromatic hydrocarbons in shellfish, sea bottom sediments and sea water by high performance liquid chromatography" 513
"Analysis of sediments and soils for chemical contamination for the design of US Navy Homeport facility at East Waterway of Everett Harbour, Washington. Final report" 233
"Application of high-resolution Shpol'skii luminescence spectroscopy to the determination of polycyclic aromatic hydrocarbons (PAH) in environmental samples" 307

Sediments (cont)
"Aromatic hydrocarbons in New York Bight polychaetes: ultraviolet fluorescence analyses and gas chromatography/gas chromatography- mass spectrometry analyses" 289
"Aspects of the polycyclic aromatic hydrocarbon geochemistry of recent sediments in the Georges Bank region" 251
"Automated GC/MS for analysis of aromatic hydrocarbons in the marine environment" 494
"Base-neutral extractable organic pollutants in biota and sediments from Lake Pontchartrain" 410
"Behavior of some organic micropollutants in river sediments and groundwater" 472
"Behavior of some PAH, PCB and organochlorine pesticides in an estuary, a comparison - Exe, Devon" 333
"Bioaccumulation of organic micropollutants from sediments and suspended particulates by aquatic animals" 422
"Bioavailability and biotransformation of aromatic hydrocarbons in benthic organisms exposed to sediment from an urban estuary" 529
"Carbonized coal products as a source of aromatic hydrocarbons to sediments from a highly industrialized estuary" 734
"Carcinogenic effects of river sediment extracts in fish and mice" 1109
"Chemical evidence of differential particle dispersal in the southern Washington coastal environment" 454
"Combined preparative and analytical use of normal-phase and reversed-phase high-performance liquid chromatography for the determination of aliphatic and polycyclic aromatic hydrocarbons in sediments of the Adriatic Sea" 397
"Comment on "Fish/sediment concentration ratios for organic compounds"" 261
"Cytotoxicity/genotoxicity: the application of cell culture techniques to the measurement of marine sediment pollution" 1473
"Degradation and mineralization of the polycyclic aromatic hydrocarbons anthracene and naphthalene in intertidal marine sediments" 243
"Detection of polynuclear aromatic hydrocarbons in shellfishes, seabottom sediments and sea water by high performance liquid chromatography" 514
"Determination of isomeric aromatic compounds in natural extract samples (petroleum, sediment, aerosol) by high resolution fluorometry" 306
"Distribution, composition and source of polycyclic aromatic hydrocarbons in sediments of the River Tamar catchment and estuary, U. K." 765

Sediments (cont)
"Distribution of some polycyclic aromatic hydrocarbons in water reservoirs of Estonia" 531
"Distribution of hydrocarbons and chlorinated hydrocarbons in various phases of the Detroit River" 452
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
"Effect of thermally treated wastewater sediment and compost from it on the content of benz(a)pyrene and N-nitroso compounds in the soil and in potatoes" 574
"Effect of highway runoff on lake water quality" 646
"Effects of four aromatic organic pollutants on microbial glucose metabolism and thymidine incorporation in marine sediments" 854
"Effects of autumn application of oil on Spartina alterniflora in a Texas salt marsh" 535
"Effects of organic pollutants on methanogenesis, sulfate reduction and carbon dioxide evolution in salt marsh sediments" 366
"Effects of contaminated sediments and sediment-exposed effluent water on an estuarine fish: acute toxicity" 1338
"Evidence of deposition of anthropogenic pollutants in remote Rocky Mountain lakes" 330
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 2. Behavior of penetration and persistence of crude oil hydrocarbons in tidal flat sediments after artificial contamination"..... 525
"Fish/sediment concentration ratios for organic compounds" 272
"Frequencies of liver neoplasia in a feral fish population and associated carcinogens" 1092
"Geochemistry of polycyclic aromatic hydrocarbons in Columbia River and Washington coastal sediments" 455
"Geochemistry of organic contaminants in Narragansett Bay sediments" 460
"Heavy metals and polycyclic hydrocarbon compounds in benthic organisms of the Upper Gulf of Thailand" 341
"Hexachlorobenzene in selected marine samples: An environmental perspective" 447
"Hydrocarbon and azaarene markers of coal transport to aquatic sediments" 239
"Hydrocarbons in a Tokyo Bay sediment" 502
"Hydrocarbons in Washington coastal sediments" 456
"Hydrocarbons in the Mediterranean Sea: their occurrence and fate in the sediment and in the water column, as dissolved and associated with small and large size particulates" 477
"Hydrocarbons in the sediments of Port Valdez, Alaska: consequences of five years' permitted discharge" 487

Sediments (cont)
"Investigation of polycyclic aromatic hydrocarbon discharges to water in the vicinity of Buffalo, New York" 710
"Microcontaminants in Wisconsin's coastal zone" 441
"Mined land reclamation using polluted urban navigable waterway sediments: II. Organics" 2203
"Nitroarenes in Suimon River sediment" 478
"Occurence and transport of organic microcontaminants in the Duluth-Superior Harbor, USA" 238
"Organic compounds in soils and sediments from unlined waste disposal pits for natural gas production and processing" 614
"Organic pollution and the macrobenthos of Raritan Bay" . 495
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(a)anthracene on the deposit feeding polychaete Nereis virens" 971
"Polyaromatic hydrocarbon distributions in sediments of an urban catchment" 286
"Polycyclic aromatic hydrocarbons in sediments of the Great Barrier Reef region, Australia" 782
"Polycyclic aromatic hydrocarbons in bottom sediments on the river-sea geochemical barrier (as exemplified by the Mozambique Basin)" 443
"Polycyclic aromatic hydrocarbons in surface sediments held in experimental mesocosms" 461
"Polycyclic aromatic hydrocarbons in recent sediments of Lake Geneva" 280
"Polycyclic aromatic hydrocarbons in Lake Michigan sediments" 331
"Potential transformation rates for polynuclear aromatic hydrocarbons (PNAHs) in surficial estuarine sediments" .. 488
"Preliminary assessment of contaminants in soft sediments of the Detroit River" 288
"Quantitative determination of polycyclic aromatic hydrocarbons in harbor sediment via high-resolution Shpol'skii spectroscopy" 337
"Quantitative determination of polycyclic aromatic hydrocarbons in marine sediments" 444
"Reply to comment on "Fish/sediment concentration ratios for organic compounds"" 273
"Sediment toxicity, contamination, and macrobenthic communities near a large sewage outfall" 499
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888

Sediments (cont)
"Some effects of polycyclic aromatic hydrocarbon-contaminated Elizabeth River USA sediments on fish" 911
"Sorption dynamics of hydrophobic pollutants in sediment suspensions" 360
"Tetra chloro-9H carbazole, a previously unrecognized contaminant in sediments of the Buffalo River" 370
"The relationship of a coal-fired power plant to the levels of polycyclic aromatic hydrocarbons (PAH) in the sediment of Cayuga Lake" 673
"The distribution of polycyclic aromatic hydrocarbons in the surficial sediments of Penobscot Bay (Maine USA) in relation to possible sources and to other sites worldwide" 353
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401
"The effects of oil exploration and production in the northern North Sea: Part 1 - the levels of hydrocarbons in water and sediments in selected areas, 1978-1981" ... 402
"The use of free-living nematodes as a bioassay for estuarine sediments" 1931
"Toxic chemicals in marine sediment and biota from Mukilteo, Washington: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 966
"Toxic chemicals in sediments and biota from a creosote-polluted harbor: relationships with hepatic neoplasms and other hepatic lesions in English sole (Parophrys vetulus)" 967
"Trace organic contaminants in the Detroit River" 356
"Vertical transport and sedimentation of hydrocarbons in the central main basin of Puget Sound, Washington (USA)" 242
Selective Induction
"Selective induction of coumarin 7-hydroxylase by pyrazole in D-2 mice" 929
Selectivity
"Selectivity of negative ion chemical ionization mass spectrometry for benzo(a)pyrene" 77
"Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill" 990
"Selectivity in the binding of hydroxylated benzo[a]pyrene derivatives to purified cytochrome P-450c" 1945

Selenastrum capricornutum
"Comparative toxicology of copper and acridine to fish, daphnia and algae" 1112
"The phototoxicity of benzo[a]pyrene in the green alga Selenastrum capricornutum" 1179
"Identification of the 11,12-dihydro-11,12-dihydroxybenzo(a)pyrene as a major metabolite produced by the green alga, Selenastrum capricornutum" 958
Selenium
"A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems" 1923
"Influence of dietary vitamin E and selenium on metabolic activation of chemicals to mutagens" 1176
"Selenium suppresses the metabolism of benzo[a]pyrene by rat-liver extracts, and exerts a dual effect on its mutagenicity" 1527
"Selenium modified mutagenicity and metabolism of benzo[a]pyrene in an S9-dependent system" 1925
SENCAR Mouse
"Effect of route of administration on macromolecular binding of benzo(a)pyrene in SENCAR and BALB/c mice" 1632
"Distribution and macromolecular binding of benzo[a]pyrene in SENCAR and BALB/c mice following topical and oral administration" 1633
SENCAR Mouse Skin
"Tumor-initiating activity of quinoline and methylated quinolines on the skin of SENCAR mice" 1504
Sensitivity
"Sensitivity of young striped bass to organic and inorganic contaminants in fresh and saline waters" 989
Sensitization
"New schemes for the electron-capture sensitization of aromatic hydrocarbons" 69
Sensory Evaluation
"Polycyclic aromatic hydrocarbon accumulation and sensory evaluation of lobsters (Homarus americanus) exposed to diesel oil, Arnold's Cove, Newfoundland" 541
Serum
"Serum- and plasma-dependent variations of benzo(a)pyrene-induced sister chromatid exchange in human lymphocytes" 1985
Serum Factors
"Growth-dependent synthesis of C-MYC-encoded proteins early stimulation by serum factors in synchronized mouse 3T3 cells" 992
Serum Lipids
"Benzo(a)pyrene uptake by serum lipids: correlation with triglyceride concentration" 2019

Serum Lipoprotein(s)
"The relationship between serum triglyceride concentration and benzo(a)pyrene uptake by serum lipoproteins" 2018
Serum Triglyceride
"The relationship between serum triglyceride concentration and benzo(a)pyrene uptake by serum lipoproteins" 2018
Service Stations
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
Sewage Effluent
"Identification of extractable organic chemicals in sewage effluent by gas chromatography/mass spectrometry" 778
Sewage Outfall
"Sediment toxicity, contamination, and macrobenthic communities near a large sewage outfall" 499
Sewage Sludge
"Determination of polycyclic aromatic hydrocarbons in sewage sludge" 561
"Identification and determination of organic pollutants in sewage sludges of various origins" 568
Sex Differences
"Sex difference in the micronucleus test" 1901
"Sexual differences in the expression of gamma glutamyl transpeptidase during 5 9 dimethyldibenzo-C G-carbazole-induced hepatocarcinogenesis in mice" 1952
Shale Oils
"Chemical class separation of organics in shale oil by thin-layer chromatography" 74
"Determination of nitrogen compounds in hydrotreated shale oils by preparative high-performance liquid chromatography and gas chromatography-mass spectrometry" 35
"International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 35: Polynuclear Aromatic Compounds, Pt. 4: Bitumens, Coal-Tars, and Derived Products, Shale-oils, andSoots" 2223
Shampoo
"Inducibility of human hair follicle carcinogen metabolism by a coal tar containing-shampoo" 1641
Shell Molding Process
"Industrial hygiene and medical studies in cold-box and shell molding processes" 2142

Shellfish
"Analysis of polynuclear aromatic hydrocarbons in shellfish, sea bottom sediments and sea water by high performance liquid chromatography" 513
"Detection of polynuclear aromatic hydrocarbons in shellfishes, seabottom sediments and sea water by high performance liquid chromatography" 514
"Determination of polycyclic aromatic hydrocarbons in some Canadian commercial fish, shellfish, and meat products by liquid chromatography with confirmation by capillary gas chromatography-mass spectrometry" 381
"Liquid chromatographic determination of polycyclic aromatic hydrocarbons in fish and shellfish" 503
"Partition coefficients as a measure of bioconcentration potential of crude oil compounds in fish and shellfish" . 434
Shore Crab
"Interrelationships of cholesterol and hydrocarbon metabolism in the shore crab, Carcinus-maenas" 985
Short-term Testing Systems
"In-vitro short-term testing systems as prescreening for potential carcinogens simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V-79 cells" 1654
Shpol'skii Fluorometry
"Analysis of Shpol'skii fluorometry at 10 K for polynuclear aromatic hydrocarbons in the environment: sampling and extraction procedures, quantitative results" 544
"Interlaboratory comparison of quantification of PAH in atmospheric aerosols by gas and liquid chromatographies and by Shpol'skii fluorometry" 118
Shpol'skii Spectroscopy
"Quantitative determination of polycyclic aromatic hydrocarbons in harbor sediment via high-resolution Shpol'skii spectroscopy" 337
Shrimp
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
Silica
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1493
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1125
"Co-carcinogenicity of foundry particulates silica and silica sand substitutes." 1124
"Separation of asphaltenes in HPLC by caffeine derivatives bonded on silica" 55

Silica Gel
"High-performance liquid chromatography on pentafluorobenzamidopropyl silica gel" 56
Silica Sorbents
"Use of bonded phase silica sorbents for the sampling of priority pollutants in wastewaters" 37
Silica Surfaces
"Polarity of chemically modified silica surfaces and its dependence on mobile-phase composition by fluorescence spectrometry" 183
Simulated Incineration
"Products obtained during combustion of polymers under simulated incinerator conditions. I. Polyethylene" 669
"Products obtained during combustion of polymers under simulated incinerator conditions. II. Polystyrene" 670
"Products obtained during combustion of polymers under simulated incinerator conditions. III. Poly(vinyl chloride)" 671
Simulated Rainfall Runoff
"Characterization of organic compounds in simulated rainfall runoffs from model coal piles" 789
Singlet Oxygen Activation
"The mutagenicity of singlet oxygen activation of benzo(a)pyrene derivatives" 1604
Sister Chromatid Exchange
"Induction of sister chromatid exchange by benzo(a)pyrene in primary lung culture" 1401
"Beta caratone reduces sister chromatid exchanges induced by chemical carcinogens in mouse mammary cells in organ culture" 1559
"Frequency of sister chromatid exchanges in human lymphocytes cultivated with a human hepatoma cell line as an indicatior of the carcinogenic potency of 2 cyclopenta(a)phenanthrenes" 1530
"In-vitro short-term testing systems as prescreening for potential carcinogens simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V-79 cells" 1654
"Induction of sister-chromatid exchange (SCE) and cell-cycle inhibition in mouse peripheral blood B lymphocytes exposed to mutagenic carcinogens in vivo" .. 1464
"Measurements of chemical-induced sister-chromatid exchanges in a whole organ in-vitro" 1558
"Effects of arachidonic acid and indomethacin on sister-chromatid exchange induction by polycyclic aromatic hydrocarbons in mammalian cell lines" 1047
"The observation of sister chromatid exchange frequencies in the workers of long term exposure to chemical carcinogens in cancer research laboratory" 2107

Size Distribution
"Size distribution of benzo(a)pyrene in airborne particulates" 384
Skeletal Abnormalities
"Histologic and skeletal abnormalities in benzo(a)pyrene-treated rainbow trout alevins" 917
SKH-1 Hairless Mice
"Altered patterns of cutaneous xenobiotic metabolism in UVB-induced squamous cell carcinoma in SKH-1 hairless mice" 1200
Skin
"A multisample apparatus for kinetic evaluation of skin penetration in vitro: the influence of viability and metabolic status of the skin" 1381
"Alterations in benzo(a)pyrene metabolism in skin and liver after hexachlorobenzene exposure" 1596
"Development of an animal model to study the phototoxic effects of anthracene and UV in skin and ocular tissues" 1206
"Differential alteration of benzo(a)pyrene metabolism in skin and liver by hexachlorobenzene" 1598
"Ellagic acid (EA) inhibits epidermal benzo(a)pyrene (BP) metabolism and 3-methylcholanthrene (MCA) skin carcinogenicity in BALB/c mice" 1638
"Foreign-substance (xenobiotica) metabolism in the skin and human hair bulbs" 1597
"Promotion of preneoplastic changes in liver by coal-derived organic mixtures applied to skin" 1779
"Ultraviolet detection of synthetic oil contamination of skin" 2091
Skin Cancer
"Exposure to asphalt as the cause of development of skin cancer" 2099
Skin Carcinogenesis
"Benzo(a)pyrene-DNA adduct formation and removal in mouse epidermis in vivo and in vitro: relationship of DNA binding to initiation of skin carcinogenesis" 1651
Skin Contact
"In vivo metabolism of topically applied benzo[a]pyrene-4,5-oxide in neonatal rat skin" 1214
"In-vivo metabolism of topically applied benzo(a)pyrene 4 5 oxide in neonatal rat skin" 1216
"Biological effects summary report: Pyrene" 937
Skin Papilloma
"Vitamin E and its effect on skin papilloma" 1805
Skin Penetration
"A multisample apparatus for kinetic evaluation of skin penetration in vitro: the influence of viability and metabolic status of the skin" 1381

Skin Penetration (cont)
"Skin penetration and metabolism of topically applied chemicals in six mammalian species, including man: an in vitro study with benzo[a]pyrene and testosterone" 931
Skin Tumor
"Fractionation of skin tumor-initiating activity in coal liquids" 1553
"Mouse skin tumor-initiating activity of benz[e]aceanthrylene and benz[l]aceanthrylene in SENCAR mice" 1661
"Exposure to cutting oils and its relation to skin tumors and premalignant skin lesions on the hands and forearms" 2097
Slash Burn Sites
"Persistence and fate of polynuclear aromatic hydrocarbons deposited on slash burn sites in the Cascade Mountains and Coast Range of Oregon" 497
Sludge
"Comparing priority pollutants in municipal sludges" 635
"Environmental feasibility of using creosote contaminated soil and sludges in roadway paving structures" 573
"Fate of hydrocarbons during oily sludge disposal in soil" 253
"Land treatment of contaminated sludge with wastewater irrigation" 2183
"Monitoring sludge-amended agricultural soils" 271
"The accumulation of mutagenic polycyclic aromatic hydrocarbons in biological sludge" 740
Sludge Garbage Compost
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. I Field Studies" 445
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. II Laboratory studies" 446
Small Intestine
"Coassimilation of dietary fat and benzo(a)pyrene in the small intestine: an absorption model using the killifish" 1958
Smog
"Biological effects of city smog. VIII. Impulscytophotometric analysis of the cell cycle of synchronized Syrian hamster kidney cultures" 904
"The Berlin smog project - description and summary of results" 346
Smoke
"Rapid determination of benzo(a)pyrene in smoke from honeycomb coal briquets" 831

Smoke (cont)
"The ratio of benzo(a)pyrene to particulate matter in smoke from prescribed burning" 825
Smoked Cured Mutton
"N-nitroso compounds and polycyclic aromatic hydrocarbons in Icelandic smoked cured mutton" 616
Smoked Food
"Liquid chromatographic determination of trace residues of polynuclear aromatic hydrocarbons in smoked foods" ... 698
"Polycyclic aromatic compounds in curing smoke" 601
"Benzo(a)pyrene in smoked fished" 724
"N-nitroso compounds and polycyclic aromatic hydrocarbons in Icelandic smoked cured mutton" 616
"Mutagenicity of smoked, dried bonito products." 1450
"Mutagens in smoked dried Bonito Katsuobushi" 1451
"Health and environmental protection in hot-smoking of small cooked sausages" 2120
Smoked Meat
"Benzo(a)pyrene content of smoked meat products" 826
Smoking Pistol
"Chemical carcinogenesis in the smoking pistol" 1620
Snow
"Biogenic and anthropogenic organic compounds in rain and snow samples collected in southern California" 363
Soderberg Pots
"Hydrocarbon emissions from Soderberg pots" 570
Soderberg Process
"Air pollution from aluminum smelting plants. II. The contribution from an aluminum smelting plant using the Soderberg process to polycyclic aromatic hydrocarbons and mutagens in ambient air" 562
"Air pollution from aluminum smelting plants. I. The emission of polycyclic aromatic hydrocarbons and of mutagens from an aluminum smelting plant using the Soderberg process" 564
Sodium Fluoride
"Induction of unscheduled DNA synthesis in cultured human oral keratinocytes by sodium fluoride" 1941
Soil
"A simplified analysis of polynuclear aromatic hydrocarbons in soil and sediment by high performance liquid chromatography" 236
"Analysis of sediments and soils for chemical contamination for the design of US Navy Homeport facility at East Waterway of Everett Harbour, Washington. Final report" 233
"Annual rates of deposition of polycyclic aromatic hydrocarbons in different forest ecosystems" 403
"Behavior of some organic micropollutants in river sediments and groundwater" 472

Soil (cont)
"Chemical analysis of organic soil pollutants in the Netherlands. An evaluation and a first step towards standardization of analytical procedures" 16
"Degradation of soil applied organic compounds from three petroleum wastes" 266
"Determination of benzo(a)pyrene in soil" 506
"Distribution of hydrocarbons in soil through contamination from a leaking natural gas pipeline" 626
"Ecosystem knowledge of soil parameters for prediction of the potential damage of pollutants" 296
"Effect of thermally treated wastewater sediment and compost from it on the content of benz(a)pyrene and N-nitroso compounds in the soil and in potatoes" 574
"Environmental feasibility of using creosote contaminated soil and sludges in roadway paving structures" 573
"Estimating adsorption of polycyclic aromatic hydrocarbons on soils" 282
"Fate of hydrocarbons during oily sludge disposal in soil" 253
"Life span of benzo(a)pyrene in soil after multiple applications with soil dust particles" 489
"Microbial effect on the degradation of polycyclic aromatic hydrocarbons in soils irrigated with wastewater" 391
"Multimedia transport of particle-bound organics: benzo(a)pyrene test case" 473
"Mutagenicity and benzo(a)pyrene contents in soils in Sendai City Japan influences of particulate substances produced by studded tires of automobiles" 796
"Mutagenicity and benzo(a)pyrene contents in soils in Tokyo (Japan)" 1674
"Organic compounds in soils and sediments from unlined waste disposal pits for natural gas production and processing" 614
"Persistence and fate of polynuclear aromatic hydrocarbons deposited on slash burn sites in the Cascade Mountains and Coast Range of Oregon" 497
"Polycyclic aromatic hydrocarbons (PAH) in the soil of gardens owned by workers in the city of Cracow (Poland)" 414
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
"Some observations on the polycyclic aromatic hydrocarbon (PAH) content of surface soils in urban areas" 268
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250

Soil (cont)
"Spectrofluorometric determination of benzo(a)pyrene in environmental airborne particulates and soils" 504
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. I Field Studies" 445
"The behavior of polycyclic aromatic hydrocarbons in soil fertilized with sewage sludge-garbage compost. II Laboratory studies" 446
"The design and demonstration of a fluidized bed incinerator for the destruction of hazardous organic materials in soils" 2193
"The development of chemical countermeasures for hazardous waste contaminated soil" 2186
"Toxic organic compounds in municipal waste materials: origin, content and conversion in soils and plants" 662
Soil Pollution
"Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons" 922
Soil Water
"Spatial and temporal concentration gradients of PAH (fluoranthene, benzo(a)pyrene), gamma-BHC and 2,4-D in samples of soil, soil water and ground water in an agricultural research area" 250
Solar Radiation
"Solar radiation-induced toxicity of anthracene to Daphnia Pulex" 1057
Sole Liver
"Benzo[a]pyrene metabolism and DNA adduct formation mediated by English sole liver enzymes" 1673
Sole Liver Enzymes
"Stereoselective metabolism of benzo(a)pyrene and modification of DNA mediated by sole liver enzymes" 1029
Solid Waste Incineration
"Polycyclic aromatic hydrocarbons, polychlorinated dibenzodioxins, and polychlorinated dibenzofurans from combustion installations - emissions and their control" 576
Solubility
"Calculation of water solubility of organic compounds with UNIFAC-derived parameters" 19
"Observation of abnormal solubility behavior of aromatic hydrocarbons in seawater" 539
"Prediction of seawater solubility of aromatic compounds" 329
"Relationships between octanol-water partition coefficient and aqueous solubility" 415
"The effects of temperature and salinity on the aqueous solubility of polynuclear aromatic hydrocarbons" 538

Solvent Extraction
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
Solvent Sublation
"Solvent sublation of organic contaminants for water reclamation" 2207
Somatic Cell
"Somatic cell and molecular genetics approach to DNA repair and mutagenesis. ERDA/560301" 1930
Soot
"Adsorption and condensation of polycyclic aromatic hydrocarbons on ultrafine soot aerosols" 265
"Analysis of organic substances in soot" 225
"Chimney soot in the cell transformation assay" 1337
"Evolution of soot and polycyclic aromatic hydrocarbons from combustion and pyrolysis of polymers and low-molecular weight hydrocarbons" 741
"Formation and destruction of organic pollutants in thermal systems and flames" 711
"International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 35: Polynuclear Aromatic Compounds, Pt. 4: Bitumens, Coal-Tars, and Derived Products, Shale-oils, andSoots" 2223
"Laser microprobe mass spectrometry of environmental soot particles" 404
"PAH and soot formation in fuel-rich turbulent coal liquid and natural gas diffusion flames" 806
"Polycyclic aromatic hydrocarbon content of waste products of the coal-tar industry and the mutagenic effect of soot extracts" 1449
Sorbent
"Sorption of organic compounds from urine in mutagenicity testing: choice of sorbent" 1223
Sorption
"Method for the determination of low levels(10-11 g/l) of benzo(a)pyrene in raw water supply by derivative spectrofluorometry after sorption with Amberlite XAD-4 resin" 134
"Predictions of the nature and strength of soil sorption of organic pollutants by molecular topology" 475
"Sorption of polycyclic aromatic hydrocarbons by natural estuarine colloids" 540
"Sorption dynamics of hydrophobic pollutants in sediment suspensions" 360
"Sorption of organic compounds from urine in mutagenicity testing: choice of sorbent" 1223

SOS Chromotest
"The SOS Chromotest, a colorimetric bacterial assay for genotoxins: validation study with 83 compounds" 1753
Source Apportionment
"Characterization and source apportionment of wintertime aerosol in a wood-burning community" 774
Source Characterization
"Receptor modeling for carbonaceous aerosols: source characterization. NEPA/600/D-85/004" 675
Source Identification
"Application of cluster analysis to identify sources of airborne polycyclic aromatic hydrocarbons" 801
Source Performance Stand.
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
Source Testing
"EPA/AEERL source testing program for coal gasification technologies (Kosovo test site)" 587
Southern Flounder
"Benzo(a)pyrene metabolism in hepatic microsomes from feral and 3-methycholanthrene-treated southern flounder, Paralichthys lethostigma" 960
Soybean
"Absence of mutagenic activity of benzo(a)pyrene in the soybean test system" 1287
"Identification of benzo[a]pyrene quinone in soybean leaves" 476
Soybean Protein
"Plasma amino acids and excretion of protein end products by mice fed 10 or 40% soybean protein diets with or without dietary benzo[a]pyrene or 1,2-dimethylhydrazine" 1065
Soybean Test System
"Absence of mutagenic activity of benzo(a)pyrene in the soybean test system" 1287
Spark Ignition Engine
"Similarity of some organic compounds in spark-ignition and diesel engine particulate extracts" 581
Sparteine Oxidation
"Benzo(a)pyrene metabolism in hepatic microsomes from female DA rats with a genetic sparteine oxidation deficiency" 1832
Spartina alterniflora
"Effects of autumn application of oil on Spartina alterniflora in a Texas salt marsh" 535
Speciation
"The physico-chemical speciation of polycyclic aromatic hydrocarbons (PAH) in aquatic systems" 466

Specificity
"Specificity of four forms of cytochrome P 450 in the metabolic activation of several aromatic amines and benzo(a)pyrene" 2012
Spectral Analysis
"Synthesis spectral analysis and mutagenicity of 1 3 and 6 nitrobenzo(a)pyrene" 1174
Spectral Atlas
"Spectral atlas of polycyclic aromatic compounds: Including data on occurence and biological activity" 934
Spectrochemistry
"Spectral proof of the interaction of phenanthrene with coal-tar pitch components" 152
Spectrofluorometry
"Determination of series of aromatic isomers by high resolution spectrofluorometry and capillary gas chromatography in HPLC fractions of crude petroleums and sedimentary rock extracts" 638
"Method for the determination of low levels(10-11 g/l) of benzo(a)pyrene in raw water supply by derivative spectrofluorometry after sorption with Amberlite XAD-4 resin" 134
Spectrophotometry
"Benzo(a)pyrene diol epoxide-DNA adducts detected by synchronous fluorescence spectrophotometry" 2161
"Dissociation kinetics of DNA-anthracycline and DNA-anthraquinone complexes determined by stopped-flow spectrophotometry" 902
"Evaluation of multiwavelength first- and second-derivative spectra for the quantitation of mixtures of polynuclear aromatic hydrocarbons" 191
Spectroscopy
"New approach for screening polynuclear aromatic pollutants in indoor air. ERDA/500200" 207
Sperm
"Flow cytometry of acridine orange stained sperm is a rapid and practical method for monitoring occupational exposure to genotoxicants" 2070
Spiny Lobster
"3-Methylcholanthrene does not induce in vitro xenobiotic metabolism in spiny lobster hepatopancreas, or affect in vivo disposition of benzo[a]pyrene" 1417
"Temperature-dependent disposition of [14C]benzo(a)pyrene in the spiny lobster, Panulirus argus" 961
"Catalytic properties of cytochrome P 450 in hepatopancreas of the spiny lobster, Panulirus argus" ... 925
Spontaneous Abortions
"Parental occupational exposure and spontaneous abortions in Finland" 2110

Sputum Cytology
"Changes in the cytology of the sputum of workers exposed to carcinogenic hazards" 2162
Squamous Cell Carcinoma
"Altered patterns of cutaneous xenobiotic metabolism in UVB-induced squamous cell carcinoma in SKH-1 hairless mice" 1200
Squamous Metaplasia
"Asbestos and benzo[a]pyrene act synergistically to induce squamous metaplasia and incorporation of [3H]thymidine in hamster tracheal epithelium" 1635
Stability
"Optimization of sampling methods and of the analysis of polycyclic aromatic hydrocarbons and their nitrogen derivatives - determination of their stability in the atmosphere" 263
"The stability of mutagenic chemicals stored in solution" 188
"The stability of mutagenic chemicals stored in solution" 188
"The stability of mutagenic chemicals stored in solution" 147
Stability Scale
"PAH stability scale established in situ in an urban region" 426
"Polycyclic aromatic hydrocarbon stability scale established in-situ in an urban region" 427
Stack Ash
"Carbonaceous particles in coal combustion stack ash and their interaction with polycyclic aromatic hydrocarbons" 649
"Influence of carbonaceous particles on the interaction of coal combustion stack ash with organic matter" 650
"Chemical reactivity of polycyclic aromatic compounds vapor-adsorbed on coal stack ash" 639
Stack Gas Sampling
"Degradation of polycyclic aromatic hydrocarbons during simulated stack gas sampling" 28
Standardization
"Chemical analysis of organic soil pollutants in the Netherlands. An evaluation and a first step towards standardization of analytical procedures" 16
Standards
"Air pollution - 'toxic' or 'hazardous' air pollutants" . 2224
"Application of perdeuterated polycyclic aromatic hydrocarbons (PAH) as international standards for the liquid chromatographic determination of PAH in petroleum crude oil and other complex mixtures" 108
"Metal molding and casting industry point source category effluent limitations guidelines, pretreatment standards and new source performance standards" 2216

Standards (cont)
"New York State techniques and experience in regulating toxic air contaminants" 2217
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
"Original purity - demands and criteria according to the new mineral water and table water ordinance" 2228
Stantons Hypothesis
"Biological effects of fibers Stantons hypothesis revisited" 1245
Stationary Gas Turbine
"Combustion of oil shale, fluidized coal and pyrolysis fuel oil residues in a stationary gas turbine" 706
Stationary Phase Polarity
"Principles of the changes of retention indexes for polycyclic aromatic hydrocarbons in relation to their structure and stationary phase polarity" 166
Stationary Phases
"Correlation of the retention data of poly aromatic hydro carbons obtained on various stationary phases used in normal and reversed phase liquid chromatography" 93
"The correlation between molecular polarizability of PAHs and their retention data on various stationary phases in reversed-phase HPLC" 94
"Analysis of aromatic hydrocarbons. Prediction of gas chromatographic retention indexes on different stationary phases and temperatures" 168
Statistical Errors
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene- induced breast cancer in rats" 1740
Statistics
"A quantitative comparison of a percentile rule with a 2-fold rule for assessing mutagenicity in the AMES assay" 1157
"An evaluation of salmonella (AMES) test data in the published literature: Application of statistical procedures and analysis of mutagenic potency" 1577
"Statistical considerations in the evaluation of chronic aquatic toxicity studies" 1155
Steam Distillation
"Application of steam distillation in the determination of petroleum hydrocarbons in water and mussels (Mytilus edulis) from dosing experiments with crude oil" 50
Steel Casting
"Identification of polycyclic aromatic compounds in mutagenic emissions from steel casting" 2128

Steel Smelting
"Steel smelting by coal tar and its significance in environmental pollution" 718
Stereochemical Model
"A plausible stereochemical model for the attachment of activated polynuclear aromatic hydrocarbons" 10
Stereochemical Parameters
"Reactivity and stereochemical parameters in QSAR for carcinogenic polycyclic aromatic hydrocarbon derivatives" 177
Stereochemistry
"Absolute stereochemistry of (+)-trans-1,2-dihydroxyacenaphthene, a mammalian metabolite of acenaphthylene" 82
Stereoselective Metabolism
"Stereoselective metabolism of benzo(a)pyrene and modification of DNA mediated by sole liver enzymes" 1029
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella-elegans" 871
"Stereoselective metabolism of anthracene and phenanthrene by the fungus Cunninghamella elegans" 872
Stereoselectivity
"A mechanism for the stereoselectivity and binding of benzo(a)pyrene diol epoxides to DNA" 1607
"Benzo(e)pyrene induced alterations in the stereoselectivity of activation of 7-12-dimethylbenz(a)anthracene to DNA-binding metabolites in hamster embryo cell cultures" 1879
"Differential stereoselectivity of cytochromes P-450b and P-450c in the formation of naphthalene and anthracene 1,2-oxides. The role of epoxide hydrolase in determining the enantiomer composition of the 1,2-dihydrodiolsformed" 199
"High stereoselectivity among the optical isomers of the diastereomeric bay-region diol-epoxides of benz(a)anthracene in the expression of tumorigenic activity in murine tumor models" 1520
"Opposite stereoselectivity of cytochrome P-448 in catalyzing the formation of benz(a)anthracene and 7,12-dimethylbenz(a)anthracene K-region epoxides" 1647
"Stereoselectivity of cytochrome P-450-C in the formation of naphthalene and anthracene 1 2-oxides" 200
"Stereoselectivity of benzo(a)pyrene diol epoxides by DNA for adduct formation with N-2 on guanine" 1608
Stereospecificity
"Stereospecificity in algal oxidation of the carcinogen benzo(a)pyrene" 959
Sterigmatocystin
"Acute cyto genetic effect of sterigmatocystin on rat bone marrow cells in-vivo" 1947

Steroid
"Characterization of steroid binding in estrogen dependent and independent rat mammary carcinomas" 1143
Steroid Receptor Binding
"Effect of benzo(a)pyrene treatment of neonatal and growing rats on steroid receptor binding capacity in adulthood" 881
Stimulation
"Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo(a)pyrene and 3,3- dimethyl-1-phenyltriazene" 1392
Stomach
"Activation of chemical carcinogens by cultured human fetal liver, esophagus and stomach" 1073
Storage
"Fate of nitrogen-containing polycyclic aromatic compounds and microbial mutagenicity in SRC-II products on storage" 2000
"The stability of mutagenic chemicals stored in solution" 188
Stormwater Runoff
"Stormwater runoff from highways" 677
Stoves
"Studies on emissions from coal burning stoves (sigries) as used in eastern India" 615
Strand Elongation
"Cytotoxicity of benzo(a)pyrene diol epoxide is associated with premature arrest of nascent strand elongation in serum-stimulated monkey kidney cells" 1937
Street Canyon
"Levels of vehicles-generated air pollutants in a street canyon" 659
Striped Bass
"Effects of organic and inorganic chemical contaminants on fertilization, hatching success, and prolarval survival of striped bass" 1330
"Sensitivity of young striped bass to organic and inorganic contaminants in fresh and saline waters" 989
Striped Mullet
"Plasma corticosteroid and glucose responses to pollutants in striped mullet: different effects of naphthalene, benzo(a)pyrene and cadmium exposure" 1022
Structural Effects
"Structural effects in reactivity and adduct formation of polycyclic aromatic epoxide and diol epoxide derivatives with DNA: comparison between 1-oxiranylpyrene and benzo[a]pyrenediol epoxide" 940

Structure
"Computer-assisted mechanistic structure-activity studies: application to diverse classes of chemical carcinogens" 1538
"Identification of the ultimate carcinogenic metabolites of the polycyclic aromatic hydrocarbons: bay-region (R,S)-diol-(S,R)- epoxides" 89
"Structural requirements for the mutagenicity of environmental nitroarenes" 1469
Structure Activity
"Effect of dissolved humic material on accumulation of polycyclic aromatic hydrocarbons structure-activity relationships" 408
"Effect of dissolved humic material on accumulation of polycyclic aromatic hydrocarbons: structure-activity relationships" 409
"Structure-activity relationships: their function in biological prediction" 1840
"Structure-activity correlations of selected azaarenes, aromatic amines, and nitroaromatics" 1841
"Potential anti tumor agents 42. Structure activity relationships for acridine substituted di methyl phosphoramidate derivatives of 9 anilino acridine" 1782
"Structure-activity relationships in hydrocarbon carcinogens" 1496
"Quantitative structure-activity relationships for polycyclic aromatic hydrocarbons: correlation between molecular connectivity, physio-chemical properties, bioconcentration and toxicity in Daphnia Pulex" 1316
"A quantitative structure-activity relationship between partition coefficients and the acute toxicity of naphthalene derivatives in Artemia salina Nauplii" 1278
"Quantitative structure-toxicity relationships with osmotically stressed Artemia salina nauplii" 1279
"Diregion theory - new concept for quantitative structure/carcinogenic activity relation and mechanism of chemical carcinogenesis" 1194
"Quantitative structure-carcinogenic activity relationship of methyl, alkyl, cyclopentano, cyclohexano polycyclic aromatic hydrocarbons and cholanthrene series" 1195
"Immunosuppression by polycyclic aromatic hydrocarbons: a structure-activity relationship in B6C3F1 and DBA/2 mice" 1984
"Structure-activity relationships of 2-X-7 nitrogen dioxide fluorenes in the AMES Salmonella assay" 1954
Structure Activity Studies
"Computer-assisted mechanistic structure-activity studies: application to diverse classes of chemical carcinogens" 2111

Structure Effect Relations
"Environmental pollutants and their mutagenic activity: an analog model for structure-effect relations" 1474
Structure Evaluation
"Artificial intelligence approach to structure-activity studies. Computer automated structure evaluation of biological activity of organic molecules" 1465
"Predicting toxicity through a computer automated structure evaluation program" 1466
Studded Tires
"Mutagenicity and benzo(a)pyrene contents in soils in Sendai City Japan influences of particulate substances produced by studded tires of automobiles" 796
Subcellular Distribution
"Tissue and subcellular distribution of enzyme activities of mixed-function oxygenase and benzo(a)pyrene metabolism in the common mussel Mytilus edulis L" 962
Subfractionation
"Subfractionation of the head and trunk kidneys of the Northern Pike (Esox Lucius)" 848
Substituted PAH
"Selective determination of substituted PAH in aerosols using liquid carbon dioxide-extraction, HPLC prefractionation on chemically activated silica, and HRGC combined with negative ion mass spectrometry" 185
Subsurface Transport
"Selection of organic chemicals for subsurface transport. Subsurface transport program interaction seminar series. Summary" 2209
Sulfate Conjugates
"Separation of glucuronide, sulfate, and glutathione conjugates of benzo(a)pyrene by HPLC. ERDA/560300" 130
"H.p.l.c. of benzo[a]pyrene glucuronide, sulfate and glutathione conjugates and water-soluble metabolites from hamster embryo fibroblasts" 1601
Sulfur Amino Acids
"Modulation of benzo(a)pyrene metabolism by dietary sulfur amino acids" 1980
Sulfur Dioxide
"The pharmacokinetics of benzo[alpha]pyrene in the isolated perfused rabbit lung: the influence of benzo[alpha]pyrene, n-dodecane, particulate, or sulfur dioxide" 1626
"Long-term inhalation study with benzo(a)pyrene and SO2 in Syrian golden hamsters" 1720
"Early cytokinetic and morphological response of rat lungs to inhaled benzo(a)pyrene, gallium oxide, and sulfur dioxide" 1001

Summer Concentrations
"Polycyclic aromatic hydrocarbons in New Jersey: A comparison of winter and summer concentrations over a two-year period" 317
Summertime Variations
"Summertime variations in polycyclic aromatic hydrocarbons at four sites in New Jersey" 328
Sunfish
"The photoenhanced toxicity of anthracene to juvenile sunfish (Lepomis spp.)" 1699
Sunlight Exposed Sample
"Mutagenicity of the sunlight-exposed sample of pyrene in Salmonella typhimurium TA98" 1913
Supercooled Liquid Phase
"Determination of vapor pressure of polycyclic aromatic hydrocarbons in the supercooled liquid phase and their adsorption on airborne particulate matter" 221
Supercritical Fluid
"Isolation and concentration of organic substances from water: an evaluation of supercritical fluid extraction. NEPA/600/1-84/028" 51
Superoxide Dismutase
"Inhibitory effects of superoxide-generating quinones on superoxide dismutase" 1875
"Effects of a biomimetic superoxide dismutase on complete and multistage carcinogenesis in mouse skin" ... 1252
Surface Adsorbed PAH
"Fluorescence spectroscopic study of reactions between gaseous ozone and surface-adsorbed polycyclic aromatic hydrocarbons" 545
Survival
"Bioenergetics and survival of the marine snail Thais lima during long-term oil exposure" 1016
"Effects of acridine and temperature on the survival, development growth and reproduction of Diaptomus Clavipes Schacht" 1185
Suspended Particulates
"Bioaccumulation of organic micropollutants from sediments and suspended particulates by aquatic animals" 422
Suspended Solids
"Effects of suspended solids on the biotransformation of acenaphthene" 325
"Efficiency of extraction of polynuclear aromatic hydrocarbons from waters containing large amounts of suspended solids" 2211
Sweep Co-distillation
"Evaluation of the sweep co-distillation cleanup technique for the determination of environmental contaminants in human adipose tissue" 131

Swine Manure
"Transport of benzo(a)pyrene into animal organs following the feeding of activated sludge from swine manure" 896
Sydney Harbour, Nova Scotia
"Polycyclic aromatic hydrocarbons in American lobster (Homarus Americanus) and Blue mussels (Mytilus Edulis) collected in the area of Sydney Harbour, Nova Scotia" .. 490
Synergism
"Development of biotoxicological tests for a better knowledge of the metabolism and synergistic effects of chemical pollutants" 1165
Synergistic Effects
"Carcinomas of the respiratory tract in hamsters given arsenic trioxide and/or benzo[a]pyrene by the pulmonary route" 1736
"Determination of carcinogenic synergism from the latent period" 1778
"Fluoranthene and pyrene enhance benzo[a]pyrene--DNA adduct formation in vivo in mouse skin" 1786
"Multiplicative effect of inhaled plutonium oxide and benzo(a)pyrene on lung carcinogenesis in rats" 1603
"The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains" 1690
"Mutagenicity of synfuels materials" 1724
"Asbestos and benzo[a]pyrene act synergistically to induce squamous metaplasia and incorporation of [3H]thymidine in hamster tracheal epithelium" 1635
"Interactions of asbestos and polycyclic aromatic hydrocarbons in carcinogenesis of the respiratory tract" 1636
"Enhancement of chemical-carcinogen-induced cell transformation in hamster embryo cells by 1 alpha,25-dihydroxycholecalciferol, the biologically active metabolite of vitamin D3" 927
"Synergism in carcinogenesis" 2131
Synergistic Induction
"Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture" .. 969
Synfuel Combustion
"Exhaust gas sampling and analysis in small-scale synfuel combustion" 643
Synfuel Plants
"Some recommendations for siting ambient monitors at synfuel plants" 314
Synthesis
"A study of chemical carcinogenesis. 75. Synthesis of methylated benzo(b)fluoranthenes and benzo(k)fluoranthenes" 9

Synthesis (cont)
"A study of chemical carcinogenesis. 84. Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" 7
"A study of chemical carcinogenesis. 57. Synthesis and mutagenicity of dihydrodiol metabolites of benzo(b)fluoranthene" 1061
"Isomeric mononitrobenzo(a)pyrenes: synthesis, identification and mutagenic activities" 1742
"Synthesis of pure dinitropyrenes" 667
"Synthesis, separation and identification by capillary column gas chromatography of polycyclic aromatic hydrocarbons" 40
"Synthesis and fluorescence spectra of structural analogs of potential benzo(b)fluoranthene-DNA adducts" .. 8
"Synthesis of 4 nitrocyclopenta-cd-pyrene" 44
"Synthesis of biologically active diol epoxide metabolites of carcinogenic polycyclic hydrocarbons" 1345
"Synthesis and mutagenicity of suspected intermediates in the nitroreduction of 1,6- and 1,8-dinitropyrene" 1275
"Synthesis and mutagenicity of 1-nitro-6-nitrosopyrene and 1-nitro-8-nitrosopyrene, potential intermediates in the metabolic activation of 1,6- and 1,8-dinitropyrene" 1276
"Synthesis spectral analysis and mutagenicity of 1 3 and 6 nitrobenzo(a)pyrene" 1174
Synthetic Fuels
"Analysis of hydroaromatics in coal-derived synthetic fuels: standard compounds" 217
"Analysis of hydroaromatics in coal-derived synthetic fuels: applications to pilot-plant samples" 218
"Comparative acute toxicity to aquatic organisms of components of coal-derived synthetic fuels" 1605
"Mutagenicity of synfuels materials" 1724
"Synfuels biostudies" 1552
Synthetic Oil
"Ultraviolet detection of synthetic oil contamination of skin" 2091
Syrian Golden Hamsters
"Epithelial alterations in explant cultures of fetal tracheae of Syrian Golden hamsters" 1264
"Lung carcinoma induction in Syrian golden hamsters by intratracheal instillation of 1,6-dinitropyrene" 1912
"Comparative study on the carcinogenicity of N-nitrosodiethylamine and benzo(a)pyrene to the lung of Syrian golden hamsters induced by intermittent instillations to the trachea" 2011

Syrian Hamster Embryo
"Amitrol-induced cell transformation and gene mutations in Syrian hamster embryo cells in culture" 1942
"Syrian hamster embryo cell transformation as a screening assay source of variability" 1943
Syrian Hamster Kidney
"Biological effects of city smog. VIII. Impulscytophotometric analysis of the cell cycle of synchronized Syrian hamster kidney cultures" 904
Syrian Hamsters
"Comparison of effect of chronic ethanol consumption by Syrian hamsters on liver metabolism and mutagenicity of benzo(a)pyrene and N-nitrosopyrrolidine" 1218
"Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis" 1193
"Induction of colon cancer in inbred Syrian hamsters by intrarectal administration of benzo(a)pyrene, 3-methylcholanthrene and N- methyl-N-nitrosourea" 1963
Systemic Administration
"Covalent binding of benzo(a)pyrene in perfused rat lung following systemic and intratracheal administration" 898
T Cells
"Early changes in T cells of progeny and mothers insulted with benzo(a)pyrene during midgestation" 1950
Table Water Ordinance
"Original purity - demands and criteria according to the new mineral water and table water ordinance" 2228
Tailings Pond
"Microbial content and metabolic activities in the Syncrude tailings pond" 2187
Tannic Acid
"Inhibition of the mutagenicity of bay-region diol-epoxides of polycyclic aromatic hydrocarbons by tannic acid, hydroxylated anthraquinones and hydroxylated cinnamic acid derivatives" 1397
Tap Water
"Preliminary study on organic pollutants in the tap water of a certain city in Hunan Province" 550
Tar
"Chemical and biological evaluation of oils and tars produced under various coal devolatilization conditions" 790
"Comparative analysis of biomass pyrolysis condensates" . 627
Tar Based Carbon Pastes
"Preparation of pitch and tar-based carbon pastes" 2035

Tar Oils
"Determination of selected polycyclic aromatic hydrocarbons in coal tar, coal tar pitch and tar oil products" 716
"Determination of components in tar oils by combined HPLC-UVD/RF technique" 228
Tar Processing Plant
"Industrial emissions from a tar-processing plant" 612
Tar Sand
"Distributions of nitrogen functional groups in Utah tar sand bitumen and produced oils" 339
Temperature
"The effects of temperature and salinity on the aqueous solubility of polynuclear aromatic hydrocarbons" 538
Temperature Dependence
"Characterization and temperature dependence of PAH emissions from a simulated rubber combustion operation" . 693
Tenax-GC
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
Teratogenicity
"Importance of the route of administration for genetic differences in benzo[a]pyrene-induced in utero toxicity and teratogenicity" 1511
Terrestrial Aspects
"Ecosystem knowledge of soil parameters for prediction of the potential damage of pollutants" 296
Terrestrial Contamination
"Accumulation of airborne pollutants (PAH, chlorinated hydrocarbons, heavy metals) in various plant species and humus" 510
"Distribution of hydrocarbons in soil through contamination from a leaking natural gas pipeline" 626
"Annual rates of deposition of polycyclic aromatic hydrocarbons in different forest ecosystems" 403
Terrestrial Fate
"Statistical models for the accumulation of PAH, chlorinated hydrocarbons and trace metals in epiphytic Hypnum cupressiforme" 509
"Persistence and fate of polynuclear aromatic hydrocarbons deposited on slash burn sites in the Cascade Mountains and Coast Range of Oregon" 497
"Fate of hydrocarbons during oily sludge disposal in soil" 253
Terrestrial Levels
"Polycyclic aromatic hydrocarbons and lead in roadside lettuce and rye grain" 380

Terrestrial Occurrence
"Polyaromatic hydrocarbons, chlorinated hydrocarbons, and trace metals in moss samples from Iceland" 511
"Identification of benzo[a]pyrene quinone in soybean leaves" 476
"Air pollution patterns in two cities of Colombia, S.A. according to trace substances content of an epiphyte (Tillandsia recurvata L.)" 482
"Plants as monitoring samplers of airborne PAH" 29
Test System
"Attempts to develop a new, rapid test system for the demonstration of carcinogenic effects" 1070
Thais lima
"Bioenergetics and survival of the marine snail Thais lima during long-term oil exposure" 1016
Theophylline
"The effect of chrysene and some polycyclic aromatic hydrocarbons on the elimination of theophylline in rats" 1132
Thermal Decomposition
"Some thermal decomposition products of carboxylic esters used as lubricants in a two-stroke-cycle engine" . 608
Thermal Desorption
"Trace organic compounds in rain. 1. Sampler design and analysis by adsorption/thermal desorption (ATD)" 440
"Thermal desorption techniques for gas chromatographic analysis of particulate matter" 110
"Assessment of adsorption/solvent extraction with polyurethane foam and adsorption/thermal desorption with Tenax-GC for the collection and analysis of ambient organic vapors" 125
Thermal Power Plants
"Emissions of metals and hydrocarbons and their measurement" 815
"Role of trace contaminants in toxic emissions from thermal electric power plants" 567
"Effect of fuel combustion conditions in the modern thermal electric power plants on atmospheric air pollution by benzo(a)pyrene and nitrogen oxides" 572
"Air emission risk assessment model: benzo(a)pyrene and arsenic emissions from the Mt. Tom Power Plant" 2225
"Cancer mortality among workers in a thermoelectric power plant" 2055
Thermal System
"Formation and destruction of organic pollutants in thermal systems and flames" 711
Thermochemical Stabilities
"Relative thermochemical stabilities and reactivities of benzo(a)pyrene and selected isomers" 318

Thermooxidative Treatment
"Thermooxidative treatment of resin-containing waste gases from the fish-smoking industry" 791
Thiamin Deprivation
"Effect of thiamin deprivation on the in vitro metabolic activation of benzo(a)pyrene" 1959
Thin-Layer Chromatography
"Determination of polynuclear aromatic hydrocarbons in petroleum oils by combination of thin-layer chromatography and gas chromatography-mass spectrometry" 767
"Determination of 1-nitropyrene by thin-layer chromatography in a diesel exhaust particulate extract" . 593
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 431
"Determination of polycyclic aromatic hydrocarbons in environmental samples by high performance thin-layer chromatography and fluorescence scanning densitometry" . 267
"Class separation of higher hydrocarbons by thin-layer chromatography with flame ionization detection" 220
"Qualitative identification of polycyclic aromatic hydrocarbons by high-performance thin-layer chromatography and fluorescence scanning densitometry" . 32
"Chemical class separation of organics in shale oil by thin-layer chromatography" 74
"Comparison of methods for separating polycyclic aromatic hydrocarbons by high-performance thin-layer chromatography" 150
"Demonstration of microsomal oxygenation of the benzo ring of 6-nitrobenzo(a)pyrene by thin-layer chromatography" 156
"Fractionation of diesel particle extracts by sephadex LH-20 and thin-layer chromatography" 20
Three Phase Microcosm
"Use of a three-phase microcosm for analysis of contaminant stress on aquatic ecosystems" 230
Thymidine Incorporation
"Effects of four aromatic organic pollutants on microbial glucose metabolism and thymidine incorporation in marine sediments" 854
Tidal Flat Environment
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 2. Behavior of penetration and persistence of crude oil hydrocarbons in tidal flat sediments after artificialcontamination" 525

Tidal Flat Environment (cont)
"Experimental investigations about effects of crude oil and dispersed crude oil in tidal flat environments 4. Bacterial oil degradation as determined by fluorescence spectroscopy" 557
Tidal Pond
"Accumulation of polycyclic aromatic hydrocarbons by lobsters (Homarus americanus) held in a tidal pond (microform)" 1026
Tillandsia recurvata
"Air pollution patterns in two cities of Colombia, S.A. according to trace substances content of an epiphyte (Tillandsia recurvata L.)" 482
Time Resolved Fluorometry
"Determination of ultratrace polycyclic aromatic hydrocarbons in the water of Lake Mashu with HPLC (high performance liquid chromatography)/time-resolved fluorometry" 301
Tin
"Role of tin on heme and drug biotransformation mechanism of partially hepatectomized rats" 1248
Tissue Burdens
"Variation in tissue burdens of polycyclic aromatic hydrocarbons in indigenous and relocated oysters" 450
Tissue Distribution
"The in vivo uptake of tritiated thymidine as a potential short-term test of toxic effects of polycyclic aromatic hydrocarbons in different organs." 1367
"Tissue distribution, seasonal variation and induction of benzo(a)pyrene monooxygenase activity in the crab Maja crispata" 858
"Transport of benzo(a)pyrene into animal organs following the feeding of activated sludge from swine manure" 896
"Comparative study on the fate of the polychlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder (Platichthys flesus), determined by liquid scintillationcounting and autoradiography"..... 1007
"Tissue distribution and partial purification of a receptor protein for polycyclic aromatic hydrocarbons in the DBA/2J-mouse and Sprague-Dawley rat" 2030
TLC Scanner
"Determination of 3,4-benzopyrene in edible oil by a TLC scanner" 784
Toad(s)
"Effects of environmental and experimental inductive factors on the mixed-function oxidase activities of toads" 875

Tongue Cancer
"Cancer of the tongue and palate following occupational exposure to petroleum products" 2143
Total Burn-up
"Conditions for the formation and methods for total burn-up of polycyclic aromatic hydrocarbons during combustion of natural gases" 792
Toxic Response
"Toxic responses of the green alga Dunaliella bioculata (Chlorophycea, Volvocales) to selected oxidized hydrocarbons" 1366
Toxicity
"A sediment quality triad: measures of sediment contamination, toxicity and infaunal community composition in Puget Sound (Washington, USA)" 392
"Chemical and toxicological aspects of coal liquefaction and other complex mixtures" 2080
"Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay" 1773
"Microtox toxicity test results for water samples from the Detroit River" 1784
"Modulatory effect of glucose-6-phosphate dehydrogenase deficiency on benzo(a)pyrene toxicity and transforming activity for in vitro-cultured human skin fibroblasts" . 1270
"Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites" 1662
"Mutagenicity of synfuels materials" 1724
"New detector for toxic metabolic products" 219
"Polycyclic Aromatic Hydrocarbons" 1657
"Polycyclic aromatic compounds of environmental and occupational importance - Their occurrence, toxicity and the development of high purity certified reference materials. Part I" 2094
"Potential toxicity of urban inert airborne particles" .. 1274
"Predicting toxicity through a computer automated structure evaluation program" 1466
"Quantitative structure-activity relationships for polycyclic aromatic hydrocarbons: correlation between molecular connectivity, physio-chemical properties, bioconcentration and toxicity in Daphnia Pulex" 1316
"Reduced mutant yield at high doses in the Salmonella/activation assay: the cause is not always toxicity" 1586
"Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process" .. 2189
"Relative toxicities of chemicals to the earthworm Eisenia foetida" 1791

Toxicity (cont)
"Sediment toxicity, contamination, and macrobenthic communities near a large sewage outfall" 499
"Solar radiation-induced toxicity of anthracene to Daphnia Pulex" 1057
"The toxicity of selected organic chemicals to the earthworm Eisenia foetida" 1669
"The air toxics problem in the United States: an analysis of cancer risks for selected pollutants" 2219
"Toxicity of polyaromatic hydrocarbons and alkyl halides in Great Lakes fish to Daphnia Pulex" 1876
"Toxicity of organic mixtures saturated in water to Daphnia magna. Effect of compositional changes" 1896
"Toxicity of polycyclic aromatic hydrocarbons 1978-1983 (Citations from the Life Sciences collection data base)" 2233
"Toxicity of polycyclic aromatic hydrocarbons. I. Effect of phenanthrene, pyrene, and their ozonized products on blood chemistry in rats" 2020
Toxicokinetics
"Toxicokinetics of benzo(a)pyrene in rats following intratracheal installation" 1979
"Toxicokinetics and metabolism of benz(a)pyrene in the Black Sea Mussels and its accumulation in the mussel body" 2024
"Toxicokinetics and metabolism of benz(a)pyrene in Black Sea mussels accumulation of matter in the body of the mollusk" 2025
"Toxicokinetics and metabolism of benzo(a)pyrene in the Black Sea mussel" 2026
Trachea
"Comparative study on the carcinogenicity of N-nitrosodiethylamine and benzo(a)pyrene to the lung of Syrian golden hamsters induced by intermittent instillations to the trachea" 2011
"Epithelial alterations in explant cultures of fetal tracheae of Syrian Golden hamsters" 1264
"In-vivo studies on enhancement and promotion of respiratory tract carcinogenesis studies with heterotopic tracheal transplants" 1463
"Multiple exposure to carcinogens and promoters in an open-ended flow-through tracheal implant model" 1561
"Respiratory tract tumors in hamsters after severe focal injury to the trachea and intratracheal instillation of benzo[a]pyrene" 1783
Tracheal Administration
"Covalent binding of benzo(a)pyrene in perfused rat lung following systemic and intratracheal administration" 898
"Changes in some biophysical indexes with intratracheal administration of different doses of benzo(a)pyrene and their criterial significance" 1042

Tracheal Epithelium
"Cocarcinogenic and tumor promoting properties of asbestos and other minerals in tracheobronchial epithelium" 1634
"Asbestos and benzo[a]pyrene act synergistically to induce squamous metaplasia and incorporation of [3H]thymidine in hamster tracheal epithelium" 1635
Tracheal Explant Lesions
"Histogenesis of benzo(a)pyrene-induced lesions in tracheal explants" 877
Traffic
"Traffic's contribution to the dust and PAH levels in the ambient air of big German cities" 690
Transfection Activity
"Effect of DNA repair on transfection activity of phi-X-174 RF DNA modified with carcinogen and noncarcinogenic benzo(a)pyrenediol epoxide isomers" 1917
Transformation
"A transforming ras gene in tumorigenic guinea pig cell lines initiated by diverse chemical carcinogens" 1899
"Characterization of polycyclic organic matter (POM) from coal-fired power plants in the atmosphere and investigations of their transformation in the atmosphere" 746
"Chemical transformation of polycyclic aromatic hydrocarbons vapour-adsorbed on coal stack ash" 822
"Chemical enhancement of SA-7 virus transformation of hamster embryo cells interlaboratory testing of diverse chemicals" 1353
"Enhanced adenovirus SA-7 transformation in a continuous line of rat embryo cells pretreated with diverse chemicals" 1354
"Enhancement of chemical-carcinogen-induced cell transformation in hamster embryo cells by 1 alpha,25-dihydroxycholecalciferol, the biologically active metabolite of vitamin D3" 927
"Environmental transformation of 1-nitropyrene on glass surfaces" 247
"Evidence that the first step leading to carcinogen-induced malignant transformation is a high frequency common event" 1448
"Formation and transformation of particulate polycyclic organic matter emitted from coal-fired power plants and oil shale retorting Final report" 745
"In vitro cell transformation by air pollutants" 1790
"In vitro transformation of rat pleural mesothelial cells by chrysotile fibres and/or benzo[a]pyrene" 1715

Transformation (cont)
"In vitro analysis of multistage epidermal carcinogenesis: development of indefinite renewal capacity and reduced growth factor requirements in colony forming keratinocytes precedes malignant transformation" 1729
"In-vitro transformation of rat pleural mesothelial cell cultures by benzo(a)pyrene" 1716
"In-vitro transformation of rat pleural mesothelial cells by chrysotile fibres and-or benzo 3 4 pyrene" 1418
"Increased sensitivity and enhanced tranformation by formaldehyde on hamster embryo cells pretreated with benzo(a)pyrene" 1352
"Induction of transformation and continuous cell lines from normal human mammary epithelial cells after exposure to benzo[a]pyrene" 1885
"Multistep malignant transformation of mammalian cells by carcinogens induction of immortality as a key event" . 1670
"Potential transformation rates for polynuclear aromatic hydrocarbons (PNAHs) in surficial estuarine sediments" .. 488
"Tansforming genes from benzo(a)pyrene transformed Syrian hamster cell lines" 1741
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds and ozone" 388
"Transformation of reactive PAH on particles by exposure to oxidized nitrogen compounds" 126
"Transformation and characterization of bovine endothelial cells after in vitro treatment with benzo(a)pyrene" 908
"Transforming activity of a cellular proto-oncogene after in-vitro modification by a chemical carcinogen" ... 1738
Transforming Genes
"Activation of different transforming genes in Balb-3T3 cell lines transformed by the same chemical carcinogen benzo(a)pyrene" 857
Transport
"A study of polynuclear aromatic hydrocarbon carcinogen transport and deoxyribonucleic acid repair" 1424
"Groundwater quality at a creosote waste site" 245
"Migration of wood-preserving chemicals in contaminated groundwater in a sand aquifer at Pensacola, Florida" 313
"Multimedia transport of particle-bound organics: benzo(a)pyrene test case" 473
"Occurence and transport of organic microcontaminants in the Duluth-Superior Harbor, USA" 238
"Pollution transport from a highway" 725
"Selection of organic chemicals for subsurface transport. Subsurface transport program interaction seminar series. Summary" 2209

Transport (cont)
"The fates of aromatics model (FOAM): description, application and analysis" 241
"Transport of benzo(a)pyrene into animal organs following the feeding of activated sludge from swine manure" 896
Trapping
"Trapping of 3,4-benzpyrene in off-gas from oxidized asphalt production by means of water scrubbers" 2198
Tridacna maxima
"Polycyclic aromatic hydrocarbons in the clam Tridacna maxima from the Great Barrier Reef, Australia" 491
Triglyceride Concentration
"Benzo(a)pyrene uptake by serum lipids: correlation with triglyceride concentration" 2019
Triphenylene
"Comparative kinetics of oral benz(a)anthracene, chrysene and triphenylene in rats: study with hydrocarbon mixtures" 1091
"Metabolism of triphenylene by liver microsomes from control, phenobarbital(PB)-treated and 3-methylcholanthrene(MC)-treated rats" 1928
"Molecular-shape recognition of polycyclic aromatic hydrocarbons in reversed phase liquid chromatography" ... 92
Triterpenes
"Effects of triterpenes on the mutagenicities of various mutagens toward Salmonella" 2010
Tritiated Thymidine
"The in vivo uptake of tritiated thymidine as a potential short-term test of toxic effects of polycyclic aromatic hydrocarbons in different organs." 1367
tRNA
"Microsome-mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo(a)pyrene and 3,3- dimethyl-1-phenyltriazene" 1392
Troposphere
"Organic matter of the troposphere. III. Characterization and sources of petroleum and pyrogenic residues in aerosols over the western United States" ... 779
Trout Embryo
"Uptake and excretion of benzo(a)pyrene by trout embryos and sac fry" 1472
Tularemia Vaccine
"Effect of immunization with tularemia vaccine on 3,4-benz(a)pyrene induced blastomogenesis and mutagenesis in rats" 1658
"The effect of immunization with tularemia vaccine on carcinogenesis and mutagenesis induced by 3,4-benz(a)pyrene in rats" 1659

Tularemia Vaccine (cont)
"The effect of live tularemia vaccine on the induction of tumors" 2029
Tumor
"Aryl hydrocarbon hydroxylase inducibility among primary relatives of children with leukemia or solid tumors" 1521
"Pancreatic amylase as a tumor marker for pancreatic cancer" 1374
"Tumor initiating activities of 1-nitropyrene and its nitrated products in SENCAR mice" 1664
"Tumorigenicity of fluoranthene in a newborn mouse lung adenoma bioassay" 1147
Tumor Enhancement Factors
"Tumor enhancement factors and mechanisms in the hamster respiratory tract carcinogenesis model" 1807
Tumor Initiating Activity
"Tumor-initiating activity mutagenicity and metabolism of methylated anthracenes" 1492
"Tumor-initiating activity, mutagenicity, and metabolism of methylated anthracenes" 1503
"Tumor-initiating activity of quinoline and methylated quinolines on the skin of SENCAR mice" 1504
Tumorigenesis
"6-Nitrochrysene is a potent tumorigen in newborn mice" . 1146
"A transforming ras gene in tumorigenic guinea pig cell lines initiated by diverse chemical carcinogens" 1899
"Cocarcinogenic and tumor promoting properties of asbestos and other minerals in tracheobronchial epithelium" 1634
"High stereoselectivity among the optical isomers of the diastereomeric bay-region diol-epoxides of benz(a)anthracene in the expression of tumorigenic activity in murine tumor models" 1520
"Methyl groups or additional aromatic groups donate tumor promoting activity" 1129
"On the role of tumor promotion in chemical carcinogenesis" 1127
"Studies of tumor promoters with the Syrian hamster embryo cell transformation assay" 1824
"The paradoxical effect of vitamin C on benzo[a]pyrene-induced tumors and malignancy" 1434
"The effect of diethylhydroxylamine on the incidence of tumors induced by benzo(a)pyrene in the mouse" 1363
"The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation" 1399
"Tumor producing activity of dithranol anthralin and 2 of its 10 acyl analogs in the dorsal skin of female NMRI rats" 1557
"Tumorigenesis of the rat mammary gland" 1580

Tumorigenicity
"Cell culture studies of the mechanism of action of chemical carcinogens and tumor promoters" 1974
"Characterization of histochemically detectable altered hepatocyte foci and their relationship to hepatic tumorigenesis in rats treated once with diethylnitrosamine or benzo(a)pyrene within one day after birth" 1730
"Effect of ellagic acid and hydroxylated flavonoids on the tumorigencity of benzo(a)pyrene (BP) and (+ or -)-7beta,8alpha-dihydroxy-9alpha,10alpha-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene (BP diol epoxide" 1396
"Effect of ellagic acid and hydroxylated flavonoids on the tumorigenicity of benzo[a]pyrene and racemic-7-beta, 8-alpha dihydroxy-9- alpha, 10-alpha-epoxy-7 8 9 10-tetrahydrobenzo-a-pyrene on mouse skin and in thenewborn mouse" 1166
"Effects of methyl and fluorine substitution on the metabolic activation and tumorigenicity of polycyclic aromatic hydrocarbons" 1357
"Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto analogs: mutagenicity in Salmonella typhimurium and tumor initiating activity on mouse skin" 1787
"Molecular characterization of oncogenes in guinea-pig lines chemically initiated in-vitro acquisition of tumorigenicity is associated with activated Ras related oncogenes" 1240
"Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes" 1059
"Mutagenicity and tumor initiating activity of methylated benzo[k] fluoranthenes" 1060
"Relationship of histochemically detectable altered hepatocyte foci to hepatic tumorigenesis" 1731
"Sebaceous gland tumors caused by a single dose of dimethylbenz(a) anthracene to mouse skin" 1788
"Studies on the tumor initiating, tumor promoting, and tumor co-initiating properties of respiratory carcinogens" 1665
"Studies on the action of tumor promoters and antipromoters on respiratory-tract epithelium" 1667
"The distribution of dermal tumorigens in coal liquids: relationship of tumorigenicity and microbial mutagenicity" 1382
"The effect of live tularemia vaccine on the induction of tumors" 2029
"Transplantable chemically-induced liver tumors in the viviparous fish Poeciliopsis" 1839
"Tumor initiating activities of 1-nitropyrene and its nitrated products in SENCAR mice" 1664

Tumorigenicity (cont)
"Tumorigenicity and metabolism of 1-nitropyrene in A/J mice" 1258
"Tumorigenicity of dihyddrodiols and diol-epoxides of benz(c)acridine in newborn mice" 1167
"Mouse skin tumor-initiating activity of benz[e]aceanthrylene and benz[l]aceanthrylene in SENCAR mice" 1661
Tumors
"Animal studies and prediction of human tumors can be aided by graphical sorting of animal data: neoplastic risk from B(a)P, benzene, benzidine, and chromium" 1425
"Beta carotene prevents dimethylbenz(a)anthracene-induced tumors" 1781
"Lipid composition of transplantable tumors of the salivary glands" 1054
"Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene" 1949
"The effect of live tularemia vaccine on the induction of tumors" 2029
Tunnel
""Atmospheric" reactivity of particulate polycyclic aromatic hydrocarbons collected in an urban tunnel" 413
Turbine Engine Exhaust
"Composition and photochemical reactivity of turbine engine exhaust" 785
Two Stroke Cycle Engine
"Some thermal decomposition products of carboxylic esters used as lubricants in a two-stroke-cycle engine" . 608
Ultimate Carcinogen
"The formation of the ultimate carcinogen of benzo(a)pyrene during non-enzymic lipid peroxidation" ... 1588
"Detection of the metabolism of polycyclic aromatic hydrocarbon derivatives to ultimate carcinogens during lipid peroxidation" 1231
"Interactions of an ultimate carcinogen, (+ or -)-7r,8t dihdroxy-9t,10t-oxy-7,8,9,10-tetrahydrobenzo(a)pyrene (BPDE-I), with purified rat liver chromatin" 1236
Ultrastructure
"Influence of 3 4 benzopyrene on the ultrastructure of the green alga Scenedesmus-Quadricauda in synchronous culture" 837
"Isolation of nuclear fractions from human fetal tissues ultrastucture and presence of epoxide hydrolase and aryl hydrocarbon hydroxylase" 1704
"Ultrastucture of mouse intestinal mucosa and changes observed after long-term anthraquinone administration" .. 893

Ultraviolet Detection
"Ultraviolet detection of synthetic oil contamination of skin" 2091
Ultraviolet Light
"1-Nitropyrene: a mutagenic product induced by the action of near ultraviolet light on 1-aminopyrene" 438
UMU Test
"A simple test system (UMU test) for the detection of environmental mutagens. 2. Improvement of sensetivity by employing salmonella typhimurium TA1535 as a host strain" 1688
UNIFAC Derived Parameters
"Calculation of water solubility of organic compounds with UNIFAC-derived parameters" 19
Unsaturated Fat
"Statistical errors invalidate conclusions in caffeine and unsaturated fat diet significantly promotes dimethylbenz(a)anthracene- induced breast cancer in rats" 1740
Uptake
"Benzo(a)pyrene uptake from micellar solutions by everted rat intestinal sacs" 1815
"Benzo(a)pyrene uptake by serum lipids: correlation with triglyceride concentration" 2019
"Cellular uptake and intracellular localization of benzo(a)pyrene by digital fluorescence imaging microscopy" 1743
"Exposure of two species of deposit-feeding amphipods to sediment-associated (3H)benzo(a)pyrene: uptake, metabolism and covalent binding to tissue macromolecules" 1777
"Inhibition of the uptake of benzo[a]pyrene in cells by polyamines" 1481
"PAH (polycyclic aromatic hydrocarbons) uptake by plants: Methodology and initial investigations" 878
"Seasonal variation in uptake and depuration of anthracene and its relationship to temperature and gross biochemical composition in the clam, Rangia Cuneata" ... 1430
"Simultaneous exposure of English Sole (Parophrys Vetulus) to sediment-associated xenobiotics:Part 1- Uptake and disposition of super(14)c-polychlorinated biphenyls and super(3)h-benzo(a) pyrene" 1888
"The in vivo uptake of tritiated thymidine as a potential short-term test of toxic effects of polycyclic aromatic hydrocarbons in different organs." 1367
"The relationship between serum triglyceride concentration and benzo(a)pyrene uptake by serum lipoproteins" 2018

Uptake (cont)
"The effect of ellagic acid on the uptake, persistence, metabolism and DNA-binding of benzo[a]pyrene in cultured explants of strain A/J mouse lung" 1924
"Uptake and excretion of benzo(a)pyrene by trout embryos and sac fry" 1472
"Uptake and elimination of aromatic hydrocarbons and a chlorinated biphenyl in eggs and larvae of cod Gadus morhua" 1011
Urban Aerosols
"Polar organic compounds in urban aerosols identification and mutagenicity in the Salmonella-typhimurium mammalian microsome bioassay" ... 1627
"Polar organic compounds in urban aerosols and their mutagenic activity in the Ames test with S. typhimurium" 1628
Urban Air
"The 3,4-benzpyrene content of atmospheric air in a city without specific industrial emissions" 761
"Traffic's contribution to the dust and PAH levels in the ambient air of big German cities" 690
"Immission measurements in densely populated and industrialized areas. Results of measurements in the Erft district and in the southern part of the Neuss district in 1983" 691
"Analysis of polycyclic aromatic hydrocarbons in air particulate matter from a lightly industrialized urban area" 609
"PAH stability scale established in situ in an urban region" 426
"Polycyclic aromatic hydrocarbon stability scale established in-situ in an urban region" 427
"The Berlin smog project - description and summary of results" 346
"A routine method for the quantitative determination of polycyclic aromatic hydrocarbons (PAHs) in urban air" ... 349
"Characterization of polycyclic organic matter in urban air particulate matter by gas chromatography-electron impact and negative ion chemical ionization mass spectrometry" 463
"Air quality in built-up areas" 374
"Atmospheric concentrations of polycyclic aromatic hydrocarbons in the city of Berlin" 377
"Analytical investigation on the contents of polycyclic aromatic hydrocarbons in airborne particulate matter from two Bavarian cities" 496
"Identification of particulate polycyclic aromatic hydrocarbon sources in the urban atmosphere" 400
""Atmospheric" reactivity of particulate polycyclic aromatic hydrocarbons collected in an urban tunnel" 413
"Potential toxicity of urban inert airborne particles" .. 1274

Urban Air (cont)
"Biological effects of city smog. VIII. Impulscytophotometric analysis of the cell cycle of synchronized Syrian hamster kidney cultures" 904
"Mutagenic activity of urban pollutants 3. The differences in mutagenicity of nitromethane extracts by the height of stations" 2147
Urban Areas
"Some observations on the polycyclic aromatic hydrocarbon (PAH) content of surface soils in urban areas" 268
Urban Catchment
"Polyaromatic hydrocarbon distributions in sediments of an urban catchment" 286
Urban Navigable Waterway
"Mined land reclamation using polluted urban navigable waterway sediments: II. Organics" 2203
Urban Road Tunnel
"Air quality and biological controls of workers exposed in working premises contiguous to an urban road-tunnel" . 2059
Urban Runoff
"Urban runoff as a source of polycyclic aromatic hydrocarbons to coastal waters" 678
"Preliminary findings of the priority pollutant monitoring project of the Nationwide Urban Runoff Program" 270
Urine
"Analysis of trace ammounts of benzo(a)pyrene and its metabolites in urine by high-performance liquid chromatography" 1571
"Evaluation of biologic exposure tests" 1108
"Identification of ring oxidized metabolites of 1-nitropyrene in the feces and urine of germfree F-344 rats" 1259
"Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in an anode plant" 2056
"Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant" 2166
"Sorption of organic compounds from urine in mutagenicity testing: choice of sorbent" 1223
UV Fluorescence
"Determination of polyaromatic hydrocarbons in scallops (Pecten maximus) by UV fluorescence and HPLC combined with UV and fluorescence detectors" 299
UV Spectropholometry
"Ultraviolet spectrophotometric method for the determination of anthracene, naphthalene and pyrene in coal tars" 213

V-79 Cells
"Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay" 1844
"In-vitro short-term testing systems as prescreening for potential carcinogens simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V-79 cells" 1654
"Rat liver homogenate (S9)-mediated binding of benzo[alpha]pyrene to DNA in V79 cells, V79 cell nuclei and aqueous solution" 1843
V-79/HGPRT
"Inhibition of the mutagenicity of benzo(a)pyrene in the V-79/HGPRT system by bioantioxidants" 1710
Vapor Phase
"Effects of vapor pressure of polycyclic aromatic hydrocarbons on their adsorption/desorption between vapor phase and particulate phase in ambient air" 553
"Vapor-phase sampling of organic compounds" 98
Vapor Pressure
"Effects of vapor pressure of polycyclic aromatic hydrocarbons on their adsorption/desorption between vapor phase and particulate phase in ambient air" 553
"Determination of vapor pressure of polycyclic aromatic hydrocarbons in the supercooled liquid phase and their adsorption on airborne particulate matter" 221
Vapors
"Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants" 2167
Variable Wavelength UV
"Quantitative determination of polycyclic aromatic hydrocarbons isomers in unresolved HPLC peaks by using variable wavelength UV detector" 91
Vegetable Oils
"Polycyclic aromatic hydrocarbons in vegetable oils" 748
"Polycyclic aromatic hydrocarbons in vegetable oils" 728
"Evaluation of polycyclic aromatic hydrocarbon contents of vegetable oils" 429
Vegetables
"Use of oil contaminated water for irrigation of vegetables" 755
"Determination of polycyclic aromatic hydrocarbons in Canadian samples of processed vegetable and dairy products by liquid chromatography with fluorescence detection" 382
Vegetation
"Assimilation and metabolism of polycyclic aromatic hydrocarbons by vegetation: An approach to this controversial issue and suggestions for future research" 284

Vehicle Emissions
"Quantitative biological and chemical analysis of particulate emissions from diesel and internal-combustion engines" 787
"The carcinogenic components of automobile exhaust" 651
"Levels of vehicles-generated air pollutants in a street canyon" 659
"In situ emission levels of carcinogenic and mutagenic compounds from diesel and gasoline engine vehicles on an expressway" 661
"Trace gas emissions in the exhausts of passenger cars" . 735
Vehicle Exhaust
"Studies on air pollution due to vehicle traffic at Pecs" 744
"Deposition fluxes of lead, cadmium, copper and polynuclear aromatic hydrocarbons (PAH) on the verges of a major highway" 664
"Tunnel measurement of the PAH (polycyclic aromatic hydrocarbons), carbon thermogram and elemental source signature from vehicular exhaust" 674
"Traffic's contribution to the dust and PAH levels in the ambient air of big German cities" 690
Vehicles
"Levels of vehicles-generated air pollutants in a street canyon" 659
Vendace
"Seasonal variation of the xenobiotic metabolizing enzyme activities in the liver of male and female Vendace Coregonus-albula" 1533
Venturi Wet Scrubber
"Comparison of organic combustion products in fly ash collected by a Venturi wet scrubber and an electrostatic precipitator at a coal-fired power station" 663
Vertical Transport
"Vertical transport and sedimentation of hydrocarbons in the central main basin of Puget Sound, Washington (USA)" 242
Viability
"Measurement of viability and aryl hydrocarbon hydroxylase activity in cryopreserved baboon peripheral blood lymphocytes and pulmonary alveolar macrophages" .. 972
Vitamin A
"Vitamin A status and metabolism of benzo[a]pyrene in the rat" 1355
"Vitamin A and oral carcinogenesis" 1437
"Modifying effect of vitamin A on benzo[a]pyrene-induced respiratory tract tumours in hamsters" 1095
Vitamin A Distribution
"Effect of inhalation of coal fly ash on vitamin A distribution in organs of the rat" 873

Vitamin A Deficiency
"Binding of benzo(a)pyrene to DNA in normal and vitamin A deficient rats" 890
"Effect of intratracheally instilled benzo(a)pyrene on the pulmonary and hepatic drug-metabolizing enzymes in normal and vitamin A deficient rats" 891
"Effect of vitamin A deficiency on pulmonary and hepatic in vitro metabolism of benzo(a)pyrene in rat" 892
"The effect of vitamin A deficiency on the initiation and postinitiation phases of benzo(a)pyrene-induced lung tumorigenesis in rats" 1237
Vitamin C
"The paradoxical effect of vitamin C on benzo[a]pyrene-induced tumors and malignancy" 1434
"Elucidation of the variable effect of vitamin C on experimental malignant tumors in Wistar rats" 1435
Vitamin D3
"Enhancement of chemical-carcinogen-induced cell transformation in hamster embryo cells by 1 alpha,25-dihydroxycholecalciferol, the biologically active metabolite of vitamin D3" 927
Vitamin E
"Vitamin E and its effect on skin papilloma" 1805
"Influence of dietary vitamin E and selenium on metabolic activation of chemicals to mutagens" 1176
Vitamin K1
"Vitamin K1 as a modulator of benzo(a)pyrene metabolism as measured by in vitro metabolite formation and in vivo DNA-adduct formation" 1412
Volatile Constituents
"Rapid sampling and analysis of volatile constituents of airborne particulate matter" 316
Volatility
"Influence of volatility on the collection of polycyclic aromatic hydrocarbon PAH vapors with polyurethane foam" . 227
"Volatility of ten priority pollutants from fortified avian toxicity test diets" 1584
Volatilization
"The gas-particle distribution of organic aerosol constituents: measurement of the volatilization artifact in Hi-Vol cascade impactor sampling" 203
Voltammetry
"Prospects for the analysis of mixtures of polycyclic aromatic compounds by differential pulse voltammetry" ... 192
Waste Incineration
"Comparative analysis of hazardous compounds on fly-ash from municipal waste incineration by gas chromatography/mass spectrometry" 816

Waste Incineration Plants
"Results of emission measurements at waste incineration plants" 705
Waste Oil
"Effects of waste oil contamination" 736
Waste Oil Heaters
"Waste oil heaters: emissions and impacts" 604
"Waste oil heaters: organic, inorganic, and bioassay analyses of combustion samples. NEPA-600/D-84-130" 605
Wastes
"Hygienic aspects of the use of wastes from effluent purification in the national economy" 2136
Wastewater
"Analysis of selected components of service station and petroleum storage tank wastewaters" 579
"Characteristics of biological treatment in the removal of carcinogens from wastewaters of a large-scale industrial plant" 2188
"Characterization of major and minor organic pollutants in wastewaters from coal gasification processes" 642
"Contamination and growth of the shrimp, Penaeus stylirostris Stimpson, cultured in a seawater/wastewater aquaculture system" 952
"Cooling tower evaporation of treated coal gasification wastewaters" 2194
"Effect of thermally treated wastewater sediment and compost from it on the content of benz(a)pyrene and N-nitroso compounds in the soil and in potatoes" 574
"GC-MS identification of odorous volatiles in wastewater" 812
"Hazardous substances in wastewater" 2204
"Microbial effect on the degradation of polycyclic aromatic hydrocarbons in soils irrigated with wastewater" 391
"Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil" 1555
"Polynuclear azaarenes in wood preservative wastewater" . 560
"Screening methods for PAH (polycyclic aromatic hydrocarbons) priority pollutant in wastewater" 163
"Study of selected constituents of wastewater from gasoline service stations and oil storage tanks" 580
"Use of bonded phase silica sorbents for the sampling of priority pollutants in wastewaters" 37
"Wet air oxidation of hazardous organics in wastewater" . 2185
Wastewater Irrigation
"Land treatment of contaminated sludge with wastewater irrigation" 2183
Wastewater Renovation
"Wastewater renovation in rapid infiltration systems" ... 2178

Wastewater Treatment
"Mobilization of azaarenes from wastewater treatment plant biosludge" 2200
"Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process" .. 2189
Water
"A survey analysis of resistant organic chemicals in water by high resolution gas chromatography/mass spectrometry" 777
"Air quality in polluted areas and far from emitters" ... 354
"Application of steam distillation in the determination of petroleum hydrocarbons in water and mussels (Mytilus edulis) from dosing experiments with crude oil" 50
"Aromatic hydrocarbons in waters of Port-Phillip Bay and the Yarra River Estuary Australia" 492
"Benz(a)pyrene input and occurrence in a marine area affected by refinery effluent" 695
"Calculation of water solubility of organic compounds with UNIFAC-derived parameters" 19
"Comment on: "Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon"" 453
"Comparison of analytical methods for the determination of polycyclic aromatic hydrocarbons in surface waters" .. 155
"Description of a method for automated determination of organic pollutants in water" 181
"Determination of benzo(a)pyrene in surface water in some regions of the world's oceans" 520
"Determination of trace amounts of organic pollutants in the Yellow River by capillary column gas chromatography-mass spectrometry" 546
"Determination of ultratrace polycyclic aromatic hydrocarbons in the water of Lake Mashu with HPLC (high performance liquid chromatography)/time-resolved fluorometry" 301
"Determination of organic water pollutants by the combined use of high-performance liquid chromatography and high-resolution gas chromatography" 63
"Discharge water from hydrostatic testing of natural gas pipelines as source of PAH loading into aquatic environments" 624
"Disposition of anthracene in the water and Aufwuchs matricies of a large outdoor channel microcosm: A data set for mathematical simulation models" 257
"Distribution and microbial degradation of the carcinogenic hydrocarbon benzo(a)pyrene in open waters of the Baltic Sea" 515
"Distribution of some polycyclic aromatic hydrocarbons in water reservoirs of Estonia" 531
"Distribution of hydrocarbons and chlorinated hydrocarbons in various phases of the Detroit River" 452

Water (cont)
"Distribution and rate of disappearance of fluorene in pond ecosystems" 259
"Ecology of organic pollutants from List 1 of the EC(European Communities) in aquatic systems" 526
"Effects of suspended solids on the biotransformation of acenaphthene" 325
"Efficiency of extraction of polynuclear aromatic hydrocarbons from waters containing large amounts of suspended solids" 2211
"Environmental hazard profile - test results as related to structures and translation into the environment" 298
"Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon" 2205
"Evaluation of air and reservoir water pollution by hydrocarbons in populated areas" 248
"Formation of mutagens by photochemical reaction of pyrene with nitrite ion in water" 498
"Geochemistry of organic contaminants in Narragansett Bay sediments" 460
"Hexachlorobenzene in selected marine samples: An environmental perspective" 447
"High-performance liquid chromatography-time resolved fluorescence spectrometry for determination of polycyclic aromatic hydrocarbons in water" 60
"Identification of specific organic water pollutants in the River Sava by high-resolution chromatographic techniques and computer- assisted mass spectrometry" ... 232
"Interactions between polycyclic aromatic hydrocarbons and dissolved humic material: binding and dissociation" . 407
"Investigation of polycyclic aromatic hydrocarbon discharges to water in the vicinity of Buffalo, New York" 710
"Isolation of organic material from water" 371
"Isolation and concentration of organic substances from water: an evaluation of supercritical fluid extraction. NEPA/600/1-84/028" 51
"Lake Mashu as a background pollution monitoring station" 437
"Microcontaminants in Wisconsin's coastal zone" 441
"Microtox toxicity test results for water samples from the Detroit River" 1784
"Nonferrous metals manufacturing point source category; effluent limitations guidelines, pretreatment standards, and new source performance standards" 2215
"Optimization of the open stripping system for the analysis of trace organics in water" 24
"Persistence and fate of polynuclear aromatic hydrocarbons deposited on slash burn sites in the Cascade Mountains and Coast Range of Oregon" 497

Water (cont)
"Photochemistry of petroleum in water" 442
"Photolytic and partitioning behaviour of polynyclear aromatic compounds, aromatic amines, and phenols in aqueous coal oil" 448
"Physico-chemical model of toxic substances in the Great Lakes NEPA-600/3-84-050" 508
"Pollution and the circulation of toxic pollutants in the Baltic Sea ecosystem" 517
"Polyaromatic hydrocarbon distributions in sediments of an urban catchment" 286
"Polycyclic aromatic hydrocarbons in rock oysters: a baseline study" 355
"Polycyclic aromatic hydrocarbons in surface sediments held in experimental mesocosms" 461
"Polycyclic aromatic hydrocarbons in recent sediments of Lake Geneva" 280
"Polypropylene as an adsorbent for trace organics in water" 161
"Preliminary findings of the priority pollutant monitoring project of the Nationwide Urban Runoff Program" 270
"Public health basis for redistribution of chemical and biological pollutants in water" 2093
"Rapid luminescence determination of polycyclic aromatic substances in water" 361
"Rebuttal to: "Equilibrium adsorption of polycyclic aromatic hydrocarbons from water onto activated carbon"" 2206
"Releases of coal liquefaction products in inland waters ORNL/TM-9535" 645
"Reverse-phase separation method for determining pollutant binding to Aldrich humic acid and dissolved organic carbon of natural waters" 379
"Sample enrichment for gas chromatographic-mass spectrometric analysis of polynuclear aromatic hydrocarbons in water and in organic mixtures" 30
"Sediment toxicity, contamination, and macrobenthic communities near a large sewage outfall" 499
"Sorption dynamics of hydrophobic pollutants in sediment suspensions" 360
"Spatial and temporal distribution of chemical substances in lakes: modeling concepts" 343
"Sunlight photolysis rates of selected neutral azaarenes in aqueous coal-oil systems" 449
"The effects of dissolved organic matter on the aqueous partitioning of polynuclear aromatic hydrocarbons" 537
"The effects of temperature and salinity on the aqueous solubility of polynuclear aromatic hydrocarbons" 538
"The leachability of carbon-14-labelled 3-4-benzopyrene from coal ash into aqueous systems" 583

Water (cont)
"The biodegradability testing of poorly water soluble compounds" 310
"The different reaction mechanisms by which chlorine and chlorine dioxide react with polycyclic aromatic hydrocarbons (PAH) in water" 465
"The effects of oil exploration and production in the northern North Sea. Part 2. Microbial biodegradation of hydrocarbons in water and sediments, 1978-1981" 401
"The isolation of some polynuclear aromatic hydrocarbons from aqueous samples by means of reversed-phase concentrator columns" 202
"The reactions of chlorine dioxide with aquatic organic materials and their health effects" 2130
"Toxicity of organic mixtures saturated in water to Daphnia magna. Effect of compositional changes" 1896
"Trace organic contaminants in the Detroit River" 356
"Urban runoff as a source of polycyclic aromatic hydrocarbons to coastal waters" 678
"Use of a three-phase microcosm for analysis of contaminant stress on aquatic ecosystems" 230
"Vertical transport and sedimentation of hydrocarbons in the central main basin of Puget Sound, Washington (USA)" 242
Water Distribution System
"Water distribution system as a potential source of mutagens in drinking water. NSRC/TR-81/620, EPA/600/1-84/019" 578
Water Reclamation
"Solvent sublation of organic contaminants for water reclamation" 2207
Water Scrubbers
"Removal of 3,4-benzopyrene from bitumen production gases by water scrubbers" 2197
"Trapping of 3,4-benzpyrene in off-gas from oxidized asphalt production by means of water scrubbers" 2198
Water Supply
"Method for the determination of low levels(10-11 g/l) of benzo(a)pyrene in raw water supply by derivative spectrofluorometry after sorption with Amberlite XAD-4 resin" 134
Water Supply Systems
"Comparative carcinogenic and mutagenic activity of coal tar and petroleum asphalt paints used in potable water supply systems." 2132
Watersheds
"Organic micropollutants' balances on watersheds of Northeastern Bavaria" 481

Welding Emissions
"Mortality among workers exposed to coal tar pitch volatiles and welding emissions: an exercise in epidemiologic triage" 2148
Wet Air Oxidation
"Wet air oxidation of hazardous organics in wastewater" . 2185
White Rot Fungus
"Oxidation of persistent environmental pollutants by a white rot fungus" 2179
Winter Concentrations
"Polycyclic aromatic hydrocarbons in New Jersey: A comparison of winter and summer concentrations over a two-year period" 317
Wintertime Aerosol
"Characterization and source apportionment of wintertime aerosol in a wood-burning community" 774
"Organic and elemental characterization of wintertime aerosol in a wood-burning community" 485
Wintertime Pollution
"A major wintertime (1983) pollution episode: analysis of the accumulation and partial distribution of the organic fraction" 389
"A major wintertime (1983) pollution episode in northern New Jersey: Analyses of the accumulation and spatial distribution of inhalable particulate matter, extractable organic matter and other species" 390
Wisconsin
"Microcontaminants in Wisconsin's coastal zone" 441
Wood
"Characterization of emissions from the combustion of wood and alternative fuels in a residential woodstove. NTRI/1914-39-01F" 810
"Chemical health risks in pressure treatment (of wood). A study of three CCA and 3 creosote treatment plants" ... 2041
"Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood" 2053
"Mutagenic activity and PAH-analysis of airborne particles from a woodheating community in Norway" 1615
Wood Burning
"Residential wood burning and air pollution" 760
Wood Burning Appliance
"Study of the effectiveness of a catalytic combustion device on a wood burning appliance. NEPA-600/7-84-046" . 2176
Wood Burning Community
"Characterization and source apportionment of wintertime aerosol in a wood-burning community" 774
"Organic and elemental characterization of wintertime aerosol in a wood-burning community" 485

Wood Chip Furnace
"Characterization of emissions from a fluidized-bed wood chip home heating furnace. NRTI-1914=70-01F" 809
Wood Combustion
"The effects of residential wood combustion on indoor and outdoor air quality: a case study in Waterbury, Vermont" 775
"Sources of indoor particulates in an area where residential wood combustion is prevalent" 688
"The contribution of residental wood combustion to ambient air pollution in Nashville, Tennessee - a case study" 689
"Impact of residential wood combustion or measured particulate and PAH concentrations in Whitehorse, YT" ... 732
"Contribution of wood combustion to indoor air pollution as measured by mutagenicity in Salmonella and polycyclic aromatic hydrocarbon concentration" 563
"Ambient total suspended particulate matter and benzo(a)pyrene concentrations from residential wood combustion in a mountain resort community" 421
"Ambient impact of residential wood combustion in Elverum, Norway" 464
Wood Oil
"Analysis of thermochemically-derived wood oil" 771
Wood Preservatives
"Polynuclear azaarenes in wood preservative wastewater" . 560
Wood Preserving Chemicals
"Migration of wood-preserving chemicals in contaminated groundwater in a sand aquifer at Pensacola, Florida" 313
Wood Pyrolysis
"Polycyclic aromatic hydrocarbon emissions from wood-pyrolysis" 660
Wood Smoke
"Factors which influence PAH decomposition on wood smoke particles" 357
"Factors which influence polycyclic aromatic hydrocarbon decomposition on wood smoke particles" 358
"Mutagenic transformations of dilute wood smoke systems in the presence of ozone and nitrogen dioxide. Analysis of selected high- pressure liquid chromatography fractions from wood smoke particle extracts" 1436
Woodstove(s)
"Ambient air monitoring study of residential woodburning in Mio, Michigan" 628
"Ambient total suspended particulate matter and benzo(a)pyrene concentrations from residential wood combustion in a mountain resort community" 421
"Ambient impact of residential wood combustion in Elverum, Norway" 464

Woodstove(s) (cont)
"Characterization and source apportionment of wintertime aerosol in a wood-burning community" 774
"Characterization of emissions from the combustion of wood and alternative fuels in a residential woodstove. NTRI/1914-39-01F" 810
"Control of pollutants from woodburning stoves in the indoor environment" 687
"Emission control effectiveness of a woodstove catalyst and emission measurement methods comparison" 733
"Genotoxic effects of smoke emissions in mammalian cells" 1818
"Health risks of residential wood heat" 2231
"Impact of residential wood combustion or measured particulate and PAH concentrations in Whitehorse, YT" ... 732
"In vitro cell transformation by air pollutants" 1790
"Indoor air pollution to emissions from wood burning stoves" 807
"Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified Salmonella assay requiring smaller sample volumes" 1055
"Organic and elemental characterization of wintertime aerosol in a wood-burning community" 485
"Residential wood burning and air pollution" 760
"Tennessee Valley Authority/Bonneville Power Administration Indoor Air Quality Study. Volume I. NTVA/OP/CEM-84/48-Vol. 1" 799
"The contribution of residental wood combustion to ambient air pollution in Nashville, Tennessee - a case study" 689
Work Atmosphere
"Testing for mutagens in filter samples from the work atmosphere of an aluminum plant" 2105
Work Environment
"PAH in small (industrial) plants. Measurement of polycyclic aromatic hydrocarbons in the work environment" 2033
Worker Exposure
"Worker exposure potential at coal conversion facilities" 2062
Workers
"Air quality and biological controls of workers exposed in working premises contiguous to an urban road-tunnel" . 2059
"Behavior of blood gamma glutamyl transferase in workers exposed to hepatoxic agents" 2050
"Cancer mortality among workers in a thermoelectric power plant" 2055
"Changes in the cytology of the sputum of workers exposed to carcinogenic hazards" 2162

Workers (cont)
"Counting alveolar macrophages (AM) from expectorate samples of exposed workers as a test for lung irritation from occupational exposure" 2082
"Effect of complexes of carcinogenic chemical compounds on the microsomal oxidation system of workers in graphite manufacture" 2106
"Exposure to mutagenic aromatic hydrocarbons of workers creosoting wood" 2053
"Mortality among workers exposed to coal tar pitch volatiles and welding emissions: an exercise in epidemiologic triage" 2148
"Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in an anode plant" 2056
"Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant" 2166
"Respiratory system function in workers engaged in the manufacture of graphite articles" 2075
"Status of respiratory organs of workers in the manufacture of high-carbon ceramics" 2076
"Testing for mutagens in an aluminum plant. The results of Salmonella typhimurium tests on expectorates from exposed workers" 2104
"The observation of sister chromatid exchange frequencies in the workers of long term exposure to chemical carcinogens in cancer research laboratory" 2107
Working Areas
"Carcinogenic polycyclic aromatic hydrocarbonate compounds in working areas" 2071
Working Environment
"Problem of the working environment in the Usti nad Labem pressure gas plant" 2054
Workplace
"Cancer risk from polycyclic hydrocarbons at the workplace: Critical evaluation of recent publication" ... 2031
"Contribution to the interpretation of coal tar pitch measurements at the workplace" 2077
"Permissible concentrations of dangerous substances in the air of the workplace" 2212
"Study of workplace pollution by polycyclic aromatic hydrocarbons" 2049
X-ray Analysis
"X-ray analyses of polycyclic hydrocarbon metabolite structures" 65
Yakitori Grilled Chicken
"Detection of 1-nitropyrene in Yakitori grilled chicken" 1459
Yam
"Possible evolutionary role of benzo(a)pyrene and other carcinogenic hydrocarbons" 922

Yeast
"Mutagenesis of amino and/or methyl analogs of acridine in Salmonella and yeast: a comparison between the spot-test and the pre- incubation methods" 1314
Zeolites
"Possible carcinogenic hazard of the ceolite clinoptilolite" 1752
Zinc Acetate
"Enhancement of DNA binding and mutagenicity of 1-nitropyrene by zinc acetate in Salmonella typhimurium TA100" 1810
Zinc Reduction
"Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence" 176

LIST OF KEYWORDS

LIST OF KEYWORDS

1-aminopyrene
1-nitropyrene
1-nitrosopyrene
1,6-dinitropyrene
1,8-dinitropyrene
2-acetylaminofluorene
2-nitropyrene
3-methylcholanthrene
32P-postlabeling Test
3,4-benz(a)pyrene
3,4-benzopyrene
3,4-benzpyrene
3H-benzo(a)pyrene
5-azacytidine
5-methylresorcinol
5,9-dimethyldibenzo-C
6-aminochrysene
7,8-benzoflavone
9,10-dihydroanthracene
9,10-dimethylanthracene
A/J Mice
Absorption Spectra
Absorption Spectrometry
Absorption Spectroscopy
Accumulation
Aceanthrylene
Acenaphthene
Acenaphthylene
Acetylene Reduction
Acid Phosphatase Activity
Acinetobacter Calcoaceticus
Acridine
Acridine Orange
Acridine(s)
Actinomycete
Activated Carbon
Activated Silica
Activated Sludge
Activation
Acute Toxicity
Adaptation to Pollution
Adduct Formation
Adenovirus SA-7
Adrenal Cortex
Adrenal Gland
Adrenal Steroidogenesis
Adsorbent
Adsorption
Adsorption Isotherms
Aedes aegypti
Aerial Deposition
Aerobic Degradation
Aerosols
Age Effects
Agmenellum quadruplication
Agricultural Research Area
Agricultural Soils
Ah Locus
Ah Receptor
Air
Air Pollution
Air Pollution Control
Airborne Particles
Aldehyde Dehydrogenase
Aldrich Humic Acid
Alga(e)
Algal Oxidation
Alkaline-Labile Sites
Alkylation
Alkylbenzenes
Alpha CG Gene
Alpha Irradiation
Alpha/Beta Interferon
Alumina Particles
Aluminum
Aluminum Industry
Aluminum Plant
Aluminum Smelters
Aluminum Smelting
Aluminum Workers
Alveolar Type II Cells
Amberlite XAD-4 Resin
Ambient Air
Ambient Organic Vapors
American Lobster
AMES
AMES Assay
AMES Reversion Test
AMES Salmonella Assay
AMES Test
Amino Acid Conjugates
Aminoacylation
Amitrol
Ammonium Sulfate
Ammunition Storage
Amperometric Detection
Amphipods
Anode Plant

Anodic Material Shop
Antagonistic Effects
Anthracene
Anthracene Oil
Anthracene-1,2-oxide
Anthracene-9,10-dione
Anthralin Irritancy
Anthraquinone
Anti-Tumor Agents
Anti-Tumor Drug
Antibodies
Antibody Production
Anticarcinogenic Action
Antimutagenic Activity
Antimutagenic Factor(s)
Antimutagens
Antioxidants
Antipain
Aquaculture
Aquatic Animals
Aquatic Aspects
Aquatic Contamination
Aquatic Ecosystems
Aquatic Effects
Aquatic Fate
Aquatic Levels
Aquatic Occurrence
Aquatic Organisms
Aquatic Transport
Aqueous Coal Oil
Aqueous Solubilities
Arachidonic Acid
Arctic
Artemia salina
Artificial Stream
Aryl Acetylenes
Aryl Hydrocarbon
Asphalt
Asphalt Paint
Asphalt Plants
Asphalt Production
Asphalt-Laying Worker
Asphaltenes
Assimilation
Atmosphere
Atmospheric Concentration
Atmospheric Conditions
Atmospheric Deposition
Atmospheric Reactions
Atmospheric Reactivity
Auactic Occurrence
Automated Analysis
Automated Determination
Automated GC/MS
Automated Survey System
Automobile Emissions
Automobile Exhaust
Avian Toxicity Test
Aza-PAH(s)
B Lymphocytes
Baboon Blood Lymphocytes
Baboons
Bacteria
Bacterial Assay
Bacterial DNA Repair Test
Bacterial Enzymes
Bacterial Metabolism
Bacterial Mutagenicity
Bacterial Oxidation
Bacterial Plasmids
Bacterial Tester Strains
Bacteriophage T-7
Bacteroides-fragilis
Bakery Ovens
BALB-C-3T3
BALB/3T3 Cells
BALB/3T3 Clone A31-1-1
BALB/c Mouse
BALB/c Mouse Keratinocytes
Barbecue Briquettes
Bay Region
Bay Region Diol Epoxides
Beijerinckia
Beijing Roast Duck
Benthic Organisms
Benz(a)anthracene
Benz(e)aceanthrylene
Benz(j)fluoranthene
Benz(l)aceanthrylene
Benzamide
Benzanthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(e)pyrene
Benzo(ghi)perylene
Benzo(j)fluoranthene
Benzo(k)fluoranthene
Benzoanthracene
Benzofluoranthene
Benzopyrene
Beta Carotene
Beta Naphthoflavone
Betel Quid Ingredients
Bile

Biliary Excretion
Biliary Glutathion
Biliary Metabolite
Bioaccumulation
Bioactivation
Bioantioxidants
Bioassay
Bioassessment
Bioavailability
Biochemical Effects
Bioconcentration
Biodegradation
Bioenergetics
Biological Activity
Biological Effects
Biological Monitors
Biological Properties
Biological Testing
Biological Treatment
Bioluminescence Test
Biomass Combustion
Biomass Fuel Combustion
Biomass Gasifier Effluents
Biomass Pyrolysis
Biomembrane Lipids
Biooxidation
Biophysical Indexes
Biopolymers
Biosludge
Biosynthesis
Biotransformation
Birth Defects
Bisantrene
Bitumen Asphalt Workers
Bitumen Production Gases
Bitumen(s)
Bituminous Coal
Black Sea Mussel
Bladder Cancer
Blastomogenesis
Blastomogenicity
Blocking Effect
Blood
Blood Lymphocytes
Blue Cotton
Blue Mussels
Body Burden
Boilers
Bond Reactivity Index
Bonded Phase Extraction
Bonded Phases
Bone Marrow
Bone Marrow Cells
Bone Marrow Micronucleus
Bone Tumor
Bonito katsuobushi
Bovine Endothelial Cells
Brachydanio rerio
Brain
Brain Microsomal Enzyme
Breast Cancer
Brine
Briquettes
Bronchial Carcinoma
Brown Bullheads
Buffalo
Buffalo River
Buffered Silica
Burner Stabilized Flames
Butylated Hydroxyanisole
Butylated Hydroxytoluene
C3H/10T1/2 Cell Lysates
C3H/10T1/2 Mouse Embryo
C57BL/6N Mice
Caffeic Acids
Caffeine
Caffeine Bonded Phase
Caffeine Bonded Silica Gel
Caffeine Derivatives
Calanoid Copepod
Calcium Carbide
Calcium Silicide
Cancer
Cancer Research Laboratory
Cancer Risk
Capillary Chromatography
Capillary Column
Carbazole(s)
Carbon Black
Carbon Black Lung
Carbon Thermogram
Carbonaceous Aerosol
Carbonaceous Particles
Carbonization Plants
Carbonized Coal Products
Carboxylic Esters
Carcinogen
Carcinogenesis
Carcinogenicity
Carcinomas
Carcinus
Carotenoids
Carp
Catalytic Activity

Catalytic Combustion
Catalytic Hydrotreatment
Catalytic Properties
Catchment
Catechols
Cayuga Lake
CBA Mice
Cell Culture Studies
Cell Cycle
Cell Differentiation
Cell Membrane
Cell Transformation
Cellular Permeability
Cellular Processing
ChaGo Cells
Chain-saw Engines
Channel Microcosm
Chemical Countermeasures
Chemical Properties
Chemical Reactivity
Chemical Structure
Chemiluminescence
Chesapeake Bay
Chick Embryo
Chicken Livers
Chinese Hamster Lung Cells
Chinese Hamster Ovary Cell
Chinese Hamster V79 Cells
Chiral Stationary Phase
Chironomids
Chlordecone
Chlorella
Chlorine
Chlorine Dioxide
Chlorobenzene Burning
Chloroplast
CHO Cells
CHO/HGPRT Assay
CHO/HGPRT System
Cholesterol
Cholesterol Effects
Chorionic Gonadotropin
Chromatid Exchange
Chromatin
Chromatography
Chromatophoromas
Chromosomal Aberrations
Chromosomal Abnormalities
Chromosomal Breaks
Chromosomal Changes
Chromosomal Subfractions
Chronic Bronchitis
Chrysene
Chrysotile Fibres
Cigarette Analogy
Cigarette Smoke
Cimetidine
Cinnamates
Clam
Class Separation
Cleanup
Clinoptilolite
Clofibrate
Clophen A50
Clotrimazole
Cluster Analysis
Co-carcinogenicity
Co-disposal
Co-firing
Co-oxidation
Coal
Coal Ash
Coal Coking Wastewaters
Coal Combustion Effluents
Coal Conversion Facilities
Coal Derived Distillate
Coal Devolatilization
Coal Dust
Coal Fired Furnaces
Coal Fired Power Plant
Coal Fired Space Heaters
Coal Fly Ash
Coal Gasification
Coal Gasifier
Coal Liquefaction
Coal Liquids
Coal Oil
Coal Particles
Coal Refuse Pile
Coal Stack Ash
Coal Tar
Coal Tar Pitch
Coal Tar Pitch Volatiles
Coal/Oil/Water Mixtures
Coastal Environment
Coastal Marinas
Coastal Waters
Cod Egg
Cod Larvae
Coho Salmon
Coke
Coke Oven
Coke Oven Workers
Coker Gas Oil

Coking By-product Industry
Coking Industry Wastewater
Cold Rolling Steel Plant
Cold-box Process
Colloids
Colon
Colon Cancer
Colon Carcinogenesis
Colored Smoke
Columbia River
Column Chromatography
Combustion
Complex Mixtures
Compost
Computer
Concentration
Concentration Gradients
Concentration Ratio
Concentrator Columns
Condensation
Conformation
Conformational Hypothesis
Conjugation
Contact Dermatitis
Contamination
Controlled Chamber Studies
Conversion
Cooking
Cooling Tower Evaporation
Copper
Copper Smelter
Copper Tubing
Corals
Coregonus albula
Corn Roots
Coronary Plaques
Coronene
Correlation
Cost Benefit
Coumarin 7-hydroxylase
Crab
Crankcase Oil
Crassostrea virginica
Creosote
Cricetulus
Croaker
Crossing Over
Crude Oil
Cucurbitacin B
Cunninghamella elegans
Curative Muds
Curing Smoke
Cutaneous Metabolism
Cutaneous Monooxygenase
Cutting Oils
Cyanobacterium
Cyclic Alcohol Derivatives
Cycling
Cyclodextrin Bonded Phases
Cyprinid Kidney Cells
Cyprinus carpio
Cyproterone Acetate
Cysteine
Cytochrome b5
Cytochrome P-440
Cytochrome P-450
Cytochrome P-450c
Cytodifferentiation
Cytogenetic Analysis
Cytosolic Fractions
Cytostatic Drug Activity
Cytotoxicity
D-2 Mice
D-T Diaphorase
Dairy Products
Daphnia magna
Daphnia pulex
Data Base
DDT
Deactivation
Deasphalted Heavy Oil
Decomposition
Degradation
Dehydrogenase Deficiency
Denaturation
Depletion
Deposition
Depuration
Depurination
Dermal Contact
Dermal Fibroblasts
Dermal Toxicity
Dermatitis
Desorption
Destruction
Detection
Detoxification
Detroit River
Development
Developmental Control
Diaptomus clavipes Schacht
Dibenz(a,h)anthracene
Dibenz(a,j)acridine
Dibenzo(a,e)fluoranthene

Dibenzo(a,h)anthracene
Dibenzofuran
Diels-Alder Adducts
Diesel Emissions
Diesel Engine
Diesel Exhaust
Diesel Fuel
Diesel Fuel Smoke
Diesel Oil
Diesel Particulates
Diesel Soot
Diet
Dietary Exposure
Dietary Fats
Dietary Seaweed
Diethylnitrosamine
Diffusion Flames
Digestive Cells
Digestive Flora
Digestive Tract
Dimethylbenz(a)anthracene
Dinitrogen Pentoxide
Dinitropyrene
Diode Array Spectroscopy
Diol Epoxide Metabolites
Diospyros kaki L
Diregion Theory
Disappearance
Disposal Pits
Disposal Site
Disposition
Dissociation
Dissociation Kinetics
Dissolved Organic Carbon
Distribution
Diurnal Variation
DNA
DNA Adduct Dosimetry
DNA Adduct(s)
DNA Alteration
DNA Anthraquinone
DNA Binding
DNA Complexes
DNA Damage
DNA Methyltransferases
DNA Modifications
DNA Polymerase
DNA Repair
DNA Replication
DNA Sequence
DNA Strand Breaks
DNA Synthesis
Dog Lungs
Domestic Heating
Domestic Water
Dose-Effect Relationship
Dose-Fractionation
Dose-Response Relationship
Dosimetry
Doubling Dose Concept
Drainage Ditch Water
Dredged Material
Dredged Sediments
Drilling Mud Base Oils
Drinking Water
Drosophila
Drosophila melanogaster
Drosophila zeste
Drug Biotransformation
Drug Disposition
Drug Elimination
Drug Metabolism
Drug Metabolizing Enzymes
Drug Supplies
Drug-Nutrient Interactions
Dunaliella bioculata
Dust
Dyes
Earthworm
Ecological Assessment
Economy
Ecosphere
Ecosystem
Ecotoxicological Behavior
Ecotoxicology
Ectopic Pituitary Tumor
Edible Oil
Effects on Ecosystems
Effects on Organisms
Effluent
Effluent Limitations Guide
Eggs
Eisenia foetida
Electrochemical Detection
Electrode Production
Electron Capture
Electron Carriers
Electron Microscopy
Electrostatic Precipitator
Elemental Source Signature
Elimination
Ellagic Acid
Ellesmere Island
Ellipticine

Embryo
Embryo Cell
Embryonic Development
Embryotoxicity
Emission Condensate
Emission Control
Emission Inventory
Emission Measurement
Emission Spectrum
Emissions
Emissions Tracers
Enantiomeric Resolution
Enantiomers
Endometrial Cell
Endometrium
Endoperoxide Synthetase
Endoplasmic Reticulum
Energy Wastes
English Sole
Enterohepatic Circulation
Environment Hazard Profile
Environment Research
Environmental Analysis
Environmental Aspects
Environmental Effects
Environmental Exposure
Environmental Factors
Environmental Fate
Environmental Hazards
Environmental Health
Environmental Implications
Environmental Levels
Environmental Occurrence
Environmental Pollution
Environmental Problems
Environmental Samples
Environmental Specimens
Environmental Toxicology
Enzymatic Activation
Enzymatic Radioimmunoassay
Enzyme Activation
Enzyme Activity
Enzyme Control
Enzyme Immunoassay
Enzyme Induction
Enzyme Metabolism
Enzyme Regulation
EPA Method 5
EPA Method 610
Epidemiologic Triage
Epidemiology
Epidermal Carcinogenesis
Epidermal Cells
Epidermal Keratinocytes
Epidermal Proteins
Epiphyte
Epithelial Alterations
Epithelial Cells
Epithelial Keratinization
Epithelium
Epoxidation
Epoxide Enantiomers
Epoxide Hydrolase
Erythrocytes
Escherichia coli
Esophagus
Esox lucius
Estrogen
Estuarine Fish
Estuary
Ethanol Consumption
Eugenol
Evening Primrose Oil
Evolution
Evolutionary Role
Excretion
Exhaust Gas
Expectorate
Explant Metabolism
Exposure
Expressway
Extraction
Eye Mutation Test
F-344 Rat
Factor Analysis
Fasting
Fat
Fat Diet
Fate
Fate of Aromatics Model
Fatty Acid
Fatty Acid Hydroperoxides
Feces
Ferric Oxide
Fertilization
Fetal Cytochrome P-450
Fetal Hepatocytes
Fetal Liver Microsomes
Fetotoxicity
Fetus
Fibers
Fibroblastoid Cell
Fibroblasts
Fibrosarcoma

Field Evaluation
Field Tests
Filter Samples
Filtration
Fingerprinting
Firemen Training Facility
Firetube Boiler
Firewood
Fischer-344 Rat
Fish
Fish Bile
Fish Gill Tissue
Fish Liver
Fish Liver Tissue
Fish Smoking Industry
Flame Ionization Detection
Flames
Flavobacterium
Flavonoids
Flounder
Flow Cytometry
Flue Gas
Fluid Chromatography
Fluidized Bed
Fluidized Bed Boilers
Fluidized Bed Incinerator
Fluidized Bed Reactor
Fluidized Coal
Fluidized-Bed Combustors
Fluoranthene
Fluorene
Fluorescence
Fluorescence Analysis
Fluorescence Decay
Fluorescence Detection
Fluorescence Imaging
Fluorescence Quenching
Fluorescence Scanning
Fluorescence Spectra
Fluorescence Spectrometry
Fluorine
Fluorite Crystals
Fluorometric Photodiode
Fluorometry
Fluorophores
Fly Ash
Fogwater
Food
Forearm
Forecasting
Forest Ecosystems
Forest Fires
Forested Areas
Forestry Burning
Forklifts
Formation
Formation Pathway
Forward Mutation Assay
Fossil Fuels
Foundries
Foundry Particulates
Frameshift Mutagenesis
Free Radical Formation
Free Radical Lipid
Fresh Water
Frog Liver
Fry
Fuel Composition
Fuel Gas Burners
Fuel Mixtures
Fuel Modification
Fuel Oil
Fuel Oil Burning Boilers
Fuels
Fugacity Model
Fungal Metabolism
Fungitoxicity
Fungus
Gadus morhua
Gambusia affinis
Gamma Linolenic Acid
Gamma-Glutamyl Transferase
Garbage Dump
Gardens
Gas Appliances
Gas Burners
Gas Chromatography
Gas Combustion Products
Gas Fuel
Gas Particle Distribution
Gas Scavenging
Gas Turbine Engines
Gas-Liquid Chromatography
Gas-Phase Benzyne
Gasifier
Gasoline Engines
Gasoline Exhaust
Gasoline Station
Gene Mutations
Generation
Genes
Genetic Damage
Genetic Factors
Genetic Monitoring

Genetic Targets
Genetic Toxicology Assays
Genetic Variation
Genotoxic Activity
Genotoxic Substances
Genotoxicants
Genotoxicity
Genotoxins
Germfree Animal
Glass Capillary Columns
Glass Fiber Filter
Glass Surfaces
Glass Workers
Glucose
Glucose Metabolism
Glucuronide
Glucuronide Conjugates
Glutamyl Transpeptidase
Glutathione
Glutathione Conjugates
Glutathione Transferase
Grain Dryer Burners
Granulosa Cell Tumors
Graphite Articles
Graphite Manufacture
Great Lakes
Great Lakes Harbors
Great Lakes Tributary
Green Alga(e)
Green Monkey Kidney
Groundwater
Growth
Growth Factor
Growth-Dependent Synthesis
Grunion Embryos
Guinea Pig Cell
Guinea Pigs
Gut Microflora
H-Coal Process
Hair Follicle Keratinocyte
Hairless Mouse
Hamster Alimentary Tract
Hamster Buccal Pouch
Hamster Cell Culture
Hamster Cells
Hamster Cheek Pouch
Hamster Embryo
Hamster Embryo Cells
Hamster Embryo Fibroblasts
Hamster Epithelial Cell
Hamster Epithelium
Hamster Hepatocytes
Hamster Liver
Hamster Lung
Hamster Ovaries
Hamster V-79 Cell
Hamsters
Hand
Hatching Success
Hazard Ranking
Hazardous Materials
Hazardous Organic Material
Hazardous Waste Site
Hazardous Wastes
Health
Health Effects
Health Effects Assessment
Health Hazard Evaluation
Health Hazard(s)
Health Problems
Health Risk Assessment
Health Risks
Health Surveillance
Heavy Metals
Heavy Oil
Heavy Pyrolysis Tar
Hematin
Hematological Toxicity
Hemoglobin(s)
Hepatectomized Rats
Hepatic Detoxifying System
Hepatic Metabolism
Hepatic Microsome(s)
Hepatic Monooxygenases
Hepatic Neoplasms
Hepatic Tumorigenesis
Hepatocarcinogenicity
Hepatocarcinogenesis
Hepatocyte
Hepatocyte Foci
Hepatopancreas
Hepatoxic Agents
Herring Gulls
Hexachlorobenzene
Hexachlorocyclohexane
Hi-Vol Cascade Impactor
High Volume Air Samplers
High Volume Filters
High Volume Filtration
High Volume Sampling
High-Carbon Ceramics
Highway
Highway Runoff
Histogenesis

Histologic Abnormalities
Histones
Histopathology
Hog Aorta
Homarus americanus
Honeycomb Coal Briquettes
Hormonal Regulation
Host Cell Repair Genes
HPLC
Human
Human Adipose Tissue
Human Adrenal Gland
Human Adrenocortical Cell
Human Bladder Explants
Human Blood Cells
Human Bronchial Epithelium
Human Bronchial Tissues
Human Bronchial Tree
Human Bronchus
Human Bronchus Explants
Human Buccal Mucosa
Human Cancer
Human Cell Culture
Human Cells
Human Colonic Mucosa
Human Diploid Fibroblasts
Human Embryo
Human Epithelial Cells
Human Fetal Tissues
Human Fibroblasts
Human Foreskin Fibroblasts
Human Hair Bulbs
Human Hair Follicles
Human Health Effects
Human Hepatocytes
Human Hepatoma Cell Line
Human Leukocytes
Human Lung Epithelium
Human Lung Fibroblast
Human Lung Parenchyma
Human Lung Tumor Cells
Human Lungs
Human Lymphoblastoid Cell
Human Lymphocytes
Human Mammary Carcinoma
Human Mammary Epithelium
Human Microsome
Human Oral Keratinocytes
Human Skin
Human Skin Fibroblasts
Human Tissues
Human Urine
Human White Blood Cells
Humans
Humic Material
Humus
Hydrocarbon Flames
Hydrocarbon Fuel
Hydrocyclones
Hydrolysis
Hydroperoxide
Hydrophobicity
Hydrostatic Testing
Hydroxylase
Hydroxylase Activity
Hydroxylase Induction
Hydroxylated Derivatives
Hydroxylation
Hyperlipidic Diet
Hyperplastic Nodules
Hypnum cupressiforme
Hypoxic Cells
Iball Index
Ictalurus nebulosus
Immission Measurement
Immune Cell
Immune Functions
Immune Response
Immune System
Immunization
Immunoassays
Immunochemical Examination
Immunocyte
Immunocytotoxicity
Immunosuppression
Immunotoxicity
Immunotoxicology
Implantation
Impulscytophotometry
In-Vivo Tests
Inactivation
Inactive Genes
Incineration
Incinerator Wastewaters
Indeno(1,2,3-cd)pyrene
Indicator
Indole-3-carbinol
Indomethacin
Indoor
Indoor Air
Indoor Air Quality
Indoor Environment
Indoor Pollutants
Indoor Pollution

Induction
Inductive Factors
Industrial Boilers
Industrial Emissions
Industrial Equipment
Industrial Hazards
Industrial Health Effects
Industrial Hygiene
Industrial Medicine
Industrial Region
Industrial Safety
Industrial Substances
Industrial Wastes
Infiltration
Infiltration Systems
Inflammation
Influenza Virus
Infrared Spectrometry
Ingestion
Inhalation
Inhibition
Inhibitory Effects
Initiation
Inland Waters
Instant Coffee
Intake
Interaction
Interactive Effects
Intercalating Compounds
Intercalating Mutagens
Intercalation
Intercalative Binding
Intercalators
Interferon
Interlaboratory Comparison
Intermolecular Potential
Internal Combustion Engine
Intertidal Wetland
Intestinal Cells
Intestinal Epithelium
Intestinal Microflora
Intra Vascular Pressure
Intraovarian Injection
Intrarectal Administration
Intratracheal Installation
Iron
Iron Casting Molds
Iron Foundry
Iron Oxides
Iron Works
Irrigation
Isolation
Isomeric Retinals
Isomers
Jaw Cysts
Jet Spectroscopy
Job Exposure Matrix
K Region
K-Region Epoxides
Kaki Fruits
Keratinocytes
Kerosene Heater(s)
Kidneys
Killer Cell Activity
Killifish
Lake Michigan
Lambda Prophage
Laminaria
LAMMA
Land Reclamation
Land Treatment
Landfill Leachate
Langerhans Cells
Larus argentatus
Larval Development
Laser Fluorimetry
Laser Induced Fluorescence
Laser Microprobe
Leachability
Leachate
Leaching
Ledakrin
Lepomis
Lepomis macrochirus
Lesions
Lettuce
Leukemia
Leukocytes
Leuresthes tenuis
Light
Lingual Neoplasia
Lipid Bilayers
Lipid Composition
Lipid Peroxidation
Lipids
Liquid Chromatography
Liquid Extraction
Liquid Scintillation
Liquid Wastes
Liquid-liquid Partitioning
Littorina littorea
Liver
Liver Disease
Liver Metabolism

Liver Microsome
Liver Monoxygenase
Liver Neoplasia
Liver Tumors
Lobsters
Localization
Long Range Transport
Long Term Oil Exposure
Low Boiling Mineral Oil
Low Volume Air Sampler
Low-Btu Gasifier
Lubricating Oils
Luminescence
Luminescence Analysis
Luminescence Screening
Luminescence Spectroscopy
Lung
Lung Cancer
Lung Cancer Cell Lines
Lung Cancer Risk
Lung Carcinogenesis
Lung Carcinoma
Lung Cells
Lung Irritation
Lung Tumor Cells
Lung Tumorigenesis
Lymph Node
Lymphatic Nodes
Lymphatic System
Lymphatic Transport
Lymphocyte
Lyngbyatoxin A
Lysosomal Membranes
Lysosomal Responses
Lysosomes
Macrobenthic Communities
Macrobenthos
Macromolecular Synthesis
Maja crispata
Malignancy
Malignant Transformation
Malodorous Volatiles
Mammalian Cell Mutation
Mammalian Microsome
Mammary Carcinogenesis
Mammary Ductal Dysplasia
Mammary Gland
Mammary Tumor
Mammary Tumor Cells
Marine Area
Marine Environment
Marine Fish
Marine Invertebrates
Marine Organisms
Marine Planktonic Algae
Marine Samples
Marine Snail
Mass Analysis
Mass Chromatography
Mass Spectrometry
Maternal Fetal Exchange
Mathematical Simulation
Max. Permissible Conc.
Max. Permissible Exposure
Maximum Permissible Levels
MCS Model
Measurement
Meat Factories
Meat Products
Mechanism
Medroxyprogesterone
Melanoma
Membranes
Mercenaria
Mercenaria mercenaria
Mesocosms
Metabolic Activation
Metabolic Conversion
Metabolic Pathways
Metabolic Products
Metabolism
Metabolites
Metal Ions
Metal Molding and Casting
Metal Oxides
Methanogenesis
Methemoglobinemia
Methylanthracene(s)
Methylation
Methylcholanthrene
Methylphenanthrene(s)
Micellar Solutions
Microbial Degradation
Microbial Metabolism
Microclimatic Conditions
Microcomputer
Microinjection
Micronucleus Test
Microorganisms
Microparticulate
Micropollutant Balances
Microsomal Activation
Microsomal Assay
Microsomal Cytochromes

Microsomal Enzyme Activity
Microsomal Fractions
Microsomal Membranes
Microsomal Metabolism
Microsomal Metabolites
Microsomal Monooxygenase
Microsomal Oxidation
Microsomal Proteins
Microsome(s)
Microspectrofluorometry
Microwave Carcinogenesis
Migration
MINDO/3 Calculations
Mineral Fibers
Mineral Oils
Mineral Water Ordinance
Mineralization
Mining Workers
Mitochondria
Mitogen
Mitomycin C
Mitoxantrone
Mixed Function Oxidase
Mixed Function Oxygenase
Mobility
Mobilization
Model
Model Coal Piles
Model Membrane Systems
Modeling
Modeling Studies
Molecular Biology
Molecular Connectivities
Molecular Pathology
Molecular Recognition
Molecular Spectrometry
Molecular Structure
Molecular Topology
Mollusk
Monitoring
Monkey Kidney Cells
Monoclonal Antibodies
Monocytes
Monooxygenase
Monooxygenase Activity
Monoxygenase Induction
Mortality
Mosquito Fish Liver
Moss
Mould Lubricants
Mountain Resort
Mouse
Mouse 3T3 Cells
Mouse Blood
Mouse Brain Microsome
Mouse Cell Culture
Mouse Chromosome
Mouse Embryo Cell
Mouse Embryonic Fibroblast
Mouse Embryos
Mouse Epidermal Cells
Mouse Epidermis
Mouse Fetal DNA
Mouse Fetus
Mouse Fibroblasts
Mouse Forestomach Tumor
Mouse Germ Cells
Mouse Hepatic Cytosols
Mouse Hepatocytes
Mouse Hepatoma Cells
Mouse Intestinal Mucosa
Mouse Liver
Mouse Liver Cells
Mouse Liver Microsomes
Mouse Lung
Mouse Lung Adenoma
Mouse Lung Adenoma Assay
Mouse Lung Explants
Mouse Lung Fibroblasts
Mouse Lung Microsome
Mouse Lymphocytes
Mouse Mammary Cell Culture
Mouse Ovary Carcinoma
Mouse Skin
Mouse Skin Humors
Mouse Skin Microsomes
Mouse Spleen Cells
Mouse Splenic Lymphocytes
Mouse Tail Model
mRNA
Mucus
Mullet
Mullet Liver Microsome
Multilinear Regression
Multimedia Model
Multiple Basalioma
Multistage Carcinogenesis
Municipal Incineration
Municipal Refuse
Municipal Waste
Municipal Waste Leachate
Mussel(s)
Mutagen
Mutagenesis

Mutagenesis Test
Mutagenic Activation
Mutagenic Inhibition
Mutagenic Products
Mutagenicity
Mutagenicity Probe
Mutagenicity Test
Mutagens
Mutation
Mutation Assay
Mutation Response
Mutational Events
Mycotoxins
Mytilus edulis
Mytilus galloprovincialis
N-acetylcysteine
n-dodecane
NAD(P)H-NBT Reductase
Nafion Membranes
Narragansett Bay
Nasal Mucosa
Natural Gas
Natural Gas Combustion
Natural Gas Pipeline
Nauplii
Nematic Liquid Crystals
Nematode
Neoplasia
Neoplasm
Neoplastic Conversion
Neoplastic Epithelial Cell
Neoplastic Phenotypes
Neoplastic Transformation
Nereis virens
Neurospora crassa
Neurotoxicity
New England
New Jersey
Newt
Niagara River
Nibea Mitsukurii
Nick Translation
Nitration
Nitrite
Nitro-PAH(s)
Nitroaromatic Sorbents
Nitrogen Compounds
Nitrogen Derivatives
Nitrogen Dioxide
Nitrogen Fixation
Nitrogen Pentoxide
Nitrogenous Components
Nitromethane Extracts
Nitropyrene
Nitroreduction
Nitroso Compounds
Nitrosopyrene
NMR
Nomenclature
Non-K-Region Metabolites
Nonferrous Metals
Nonregenerating Limbs
Nonregulated Pollutant
Nonvolatile Components
Northern Pike
Nose
Nostoc
Nuclear Aberrations
Nuclear Fractions
Nuclei
Nucleic Acid Complexes
Nucleic Acids
Nucleoli
Nucleoprotein(s)
Numerical taxonomy
NURP
Nutritional Factors
NZC-BL Mice
Occupational Cancer
Occupational Disease(s)
Occupational Exposure
Occupational Hazard(s)
Occupational Health
Occupational Hygiene
Occupational Safety
Ocean
Octanol/Water
Ocular Tissues
Odorous Volatiles
Off Shore Drilling
Office Work
Offshore Oil And Gas
Oil
Oil Exploration
Oil Furnaces
Oil Production
Oil Recycling
Oil Shale
Oil Shale Facility
Oil Shale Industry
Oil Shale Retorting
Oil Spill
Oil Storage Tanks
Oil-Based Drilling Muds

Oil-Fired Power Plants
Oil-Water Separating Tanks
Oily Hazardous Waste
Oily Sludge
Oncofetal Protein
Oncogenes
Oncogenic Potency
Oncorhynchus kisutch
Oocyte Number
Open Ocean Disposal
Open Stripping System
Optical Isomer
Oral Absorption
Oral Carcinogenesis
Oral Epithelium
Oral Mucosa
Organic Additives
Organic Glasses
Organic Mixtures
Organoselenium Compounds
Ornithine Decarboxylase
Osmotic Fragility
Osmotic Stress
Osmotic-sensitive Mutants
Outdoor Air
Ovarian Toxicity
Oven-Block Workers
Overland Flow
Overland Flow Treatment
Ovotoxicity
Ovulation
Oxidation
Oxidative Drug Metabolism
Oxidized Nitrogen Compound
Oxy-PAH(s)
Oxygen Compounds
Oxygen Consumption Rates
Oyster(s)
Ozone
P388F Mouse Lymphoma
Packing Materials
PAH Geochemistry
PAH Mixtures
PAH Vapors
Paint
Palate Cancer
Pancreas
Panulirus argus
Papillomas
Paraffin
Paralichthys lethostigma
Paratanytarsus
Parophrys vetulus
Particle Dispersal
Particle Scavenging
Particle Size Distribution
Particulates
Partition Coefficient
Partitioning
Passenger Cars
Pastry Ovens
Pathology
Pathway
Pattern Recognition
Peat Fuelled Plants
Peat-Fired Power Plants
Pelagic Systems
Penaeus stylirostris
Penetration
Penobscot Bay
Peonol
Percutaneous Penetration
Perinatal Development
Perinatal Period
Periodic Depuration
Periwinkle
Permissible Concentrations
Permitted Discharge
Peroxidation Activity
Peroxidizing Fatty Acids
Perphenazine
Persistence
Perylene
Petrochemical Wastewater
Petroleum
Petroleum Aromatic Extract
Petroleum Crude Oil
Petroleum Gas Burners
Petroleum Refining
Petroleum Storage Tank
Petroleum Tar Pitches
Petroleum Wastes
Peyer's Patch
Phagocytosis
Pharmacokinetics
Phase Partitioning
Phase Transition
Phenanthrene
Phenobarbital
Phenols
Phenylnaphthofurans
Phorbol Ester
Phosphorescence Analysis
Phosphorus

Phosphorus Postlabeling
Phosphorus-32
Photo Induction
Photo Oxidation
Photo Transformation
Photoacoustic Spectroscopy
Photochemical Degradation
Photochemical Reaction
Photochemical Reactivity
Photochemistry
Photodecomposition
Photodegradation
Photoenhanced Toxicity
Photoinduced Toxicity
Photolysis
Photooxidation
Photophysics
Photoreactivity
Photosensitization
Photosynthesis
Phototoxic Effects
Phototoxicity
Phototransformation
Physicochemical Indexes
Physiological Effects
Pigments
Pilot Plant Samples
Pipeline Residue
Pipelines
Pitch
Placenta
Placental Transfer
Plant Cell Cultures
Plant Phenols
Plants
Plasma
Plasma Amino Acids
Plasma Corticosteroid
Plasma Irradiation
Plasma Membrane
Plasmid DNA
Plasmid Eliminating Action
Plasmid pkM101
Plastic Water Pipes
Plate Measurements
Platichthys flesus
Platichthys stellatus
Pleurodeles waltl
Pluronic Polyol F-127
PMO Indices
PMR Spectral Studies
Poeciliopsis
Polar Substituted PAH
Polarity
Polarizability
Pollutant Stress
Polyamines
Polychaete
Polymer Combustion
Polynucleotides
Polypropylene
Polysiloxane Stationary
Polytene Chromosomes
Polyurethane Foam
Pond Ecosystems
Pore Size
Potato
Potency
Power Plants
Prediction
Pregnancy
Premalignant Skin Lesions
Preneoplastic Changes
Prescribed Fires
Preservability
Preservation
Pressure Effects
Pressure Gas Plant
Pressure Treatment
Pretreatment Standards
Primary Monolayer Culture
Primate Liver
Procarcinogens
Process Distillation
Process Stream Materials
Process Waters
Processed Foods
Product Inhibition
Productivity
Prolactin
Prolactin Secretion
Prolarval Survival
Promoting Potential
Promotion
Promutagen Activation
Promutagens
Propellant Combustion
Prostaglandin E1
Prostaglandin H Synthase
Prostaglandins
Prostate Carcinogenesis
Protein Adduct(s)
Proto-Oncogene
Pseudopleuronectes

Psoriasis
Public Health
Public Health Risks
Publications
Pulmonary Carcinoma
Pulmonary Clearance
Pulmonary Defense
Pulmonary Detoxifying
Pulmonary Metabolism
Pulmonary Retention
Pulverized Coal Combustion
Purification
Pyrazole
Pyrene
Pyrogenic Residues
Pyrolysis
Pyrolysis Effluents
Pyrolysis Fuel Oil Residue
Pyrolytic Emissions
Pyrolyzates
Quality Assurance Program
Quantification
Quantitation
Quantitative Evaluation
Quantum Mechanics
Quartz Capillary Columns
Quartz Fiber
Quercetin
Quinolines
Quinone(s)
Rabbit Cytochrome P-450
Rabbit Hepatic Cells
Rabbit Hepatocytes
Rabbit Liver
Rabbit Lung
Rabbit Lung Microsome
Rabbit Pulmanary Cells
Rabbit Respiratory Tract
Rabbit(s)
Radiation Effects
Radical Cations
Radioactive Labelling
Radiolabel Diesel Exhaust
Radiosensitization
Rail Ties
Rain
Rainbow Trout
Rainbow Trout Alevins
Rainbow Trout Embryos
Raman Spectra
Raman Spectrometry
Raman Spectroscopy
Rana pipiens
Rangia cuneata
Ranking Index
Ras Gene
Ras Related Oncogenes
Rat
Rat Blood
Rat Bone Marrow Cells
Rat Brain
Rat Buccal Mucosa
Rat Cell Culture
Rat Embryo Cells
Rat Embryos
Rat Esophagus
Rat Feces
Rat Fibrosarcoma
Rat Forestomach
Rat Hepatic Cytosols
Rat Hepatic Microsomes
Rat Hepatocytes
Rat Hepatoma Cells
Rat Intestinal Sacs
Rat Leukocytes
Rat Liver
Rat Liver and Lung
Rat Liver Cells
Rat Liver Chromatin
Rat Liver Endothelium
Rat Liver Enzyme
Rat Liver Epithelium
Rat Liver Foci Assay
Rat Liver Foci Bioassay
Rat Liver Microsome(s)
Rat Liver Nuclei
Rat Lung
Rat Lung Microsome(s)
Rat Lung Tumors
Rat Lymph Nodes
Rat Mammary Carcinogenesis
Rat Mammary Carcinoma
Rat Mammary Cells
Rat Mammary Cytosol
Rat Mammary Epithelium
Rat Mammary Glands
Rat Mammary Tumors
Rat Mesothelial Cells
Rat Mesothelium
Rat Pancreatic Cells
Rat Pleural Mesothelium
Rat Salivary Gland
Rat Skin
Rat Small Intestinal

Rat Stomach Wall
Rat Trachea
Rat Tracheal Epithelium
Rat Tumors
Rat Urine
Rat(s)
Rate of Disappearance
Reaction Mechanisms
Reactivity
Real Time
Real-time Monitoring
Receptor Models
Receptor Protein
Receptor Site
Recombinational Events
Recovery
Recycled Aluminum
Red Blood Cells
Red Ginseng
Redistribution
Redox Cycles
Reference Materials
Refinery Effluent
Refinery Emissions
Refinery Wastewaters
Regenerating Limbs
Regulation
Regulation(s)
Regulatory Gene
Remote Detection
Removal
Removal Kinetics
Replication
Replication Inhibition
Reproducibility
Reproduction
Reservoirs
Residence Time
Residential Furnaces
Residential Woodburning
Resin Containing Waste Gas
Resistance
Resource Recovery
Respiration
Respiratory Effects
Respiratory Epithelium
Respiratory Irritant
Respiratory Organs
Respiratory System
Respiratory Tissues
Respiratory Tract
Respiratory Tract Cancer
Respiratory Tract Tumors
Retention
Retention Indices
Retention Prediction
Retrovirus
Reverse Phase Separation
Reversed Phase HPLC
Reversed Phase Partition
Rhabdomyosarcoma
Rice
Rice Straw Model
Risk
Risk Analysis
Risk Factors
River
RNA
RNA Adduct(s)
Roadside
Roadway Paving
Roast Lamb
Rock Oysters
Rocky Mountain Lakes
Rodent Cell Culture
Rodent Cells
Rodent Lung
Rodent Microsomes
Rodent Skin
Rodents
Roofing
Rotational Motions
Round Robin Investigation
Rubber Combustion
Rural Area
Rye
SA-7 Virus
Saccharomyces cerevisiae
Safety
Safety Evaluations
Saline Waters
Salinity
Salivary Gland
Salmo gairdneri
Salmo salmonidae
Salmon Embryos
Salmonella
Salmonella Activation
Salmonella Assay
Salmonella Microsome Assay
Salmonella Mutagenicity
Salmonella typhimurium
Salmonella/Oxygenase Test
Salt Marsh

Sample Enrichment
Sampling
Sand
Sand Aquifer
Sanitation Measures
Sarcoma
Sauna Air
Sausages
Scallops (Pecten maximus)
Scalp Hair Follicles
Scanning Microscopy
Scavenging
Scenedesmus quadricauda
Screening
Screening Assay
Screening Methods
Screening Procedure
Scrubber Wastewater
Sea
Sea Urchin Embryos
Seafood
Seasonal Variation
Seasonality
Seawater
Sebaceous Gland Tumors
Secondary Wastewater
Sedimentary Rock
Sedimentation
Sediments
Selective Induction
Selectivity
Selenastrum capricornutum
Selenium
SENCAR Mouse
SENCAR Mouse Skin
Sensitivity
Sensitization
Sensory Evaluation
Serum
Serum Factors
Serum Lipids
Serum Lipoprotein(s)
Serum Triglyceride
Service Stations
Sewage Effluent
Sewage Outfall
Sewage Sludge
Sex Differences
Shale Oils
Shampoo
Shell Molding Process
Shellfish
Shore Crab
Short-term Testing Systems
Shpol'skii Fluorometry
Shpol'skii Spectroscopy
Shrimp
Silica
Silica Gel
Silica Sorbents
Silica Surfaces
Simulated Incineration
Simulated Rainfall Runoff
Singlet Oxygen Activation
Sister Chromatid Exchange
Size Distribution
Skeletal Abnormalities
SKH-1 Hairless Mice
Skin
Skin Cancer
Skin Carcinogenesis
Skin Contact
Skin Papilloma
Skin Penetration
Skin Tumor
Slash Burn Sites
Sludge
Sludge Garbage Compost
Small Intestine
Smog
Smoke
Smoked Cured Mutton
Smoked Food
Smoked Meat
Smoking Pistol
Snow
Soderberg Pots
Soderberg Process
Sodium Fluoride
Soil
Soil Pollution
Soil Water
Solar Radiation
Sole Liver
Sole Liver Enzymes
Solid Waste Incineration
Solubility
Solvent Extraction
Solvent Sublation
Somatic Cell
Soot
Sorbent
Sorption
SOS Chromotest

Source Apportionment
Source Characterization
Source Identification
Source Performance Stand.
Source Testing
Southern Flounder
Soybean
Soybean Protein
Soybean Test System
Spark Ignition Engine
Sparteine Oxidation
Spartina alterniflora
Speciation
Specificity
Spectral Analysis
Spectral Atlas
Spectrochemistry
Spectrofluorometry
Spectrophotometry
Spectroscopy
Sperm
Spiny Lobster
Spontaneous Abortions
Sputum Cytology
Squamous Cell Carcinoma
Squamous Metaplasia
Stability
Stability Scale
Stack Ash
Stack Gas Sampling
Standardization
Standards
Stantons Hypothesis
Stationary Gas Turbine
Stationary Phase Polarity
Stationary Phases
Statistical Errors
Statistics
Steam Distillation
Steel Casting
Steel Smelting
Stereochemical Model
Stereochemical Parameters
Stereochemistry
Stereoselective Metabolism
Stereospecificity
Sterigmatocystin
Steroid
Steroid Receptor Binding
Steroselective Metabolism
Stimulation
Stomach
Storage
Stormwater Runoff
Stoves
Strand Elongation
Street Canyon
Striped Bass
Striped Mullet
Structural Effects
Structure
Structure Activity
Structure Activity Studies
Structure Effect Relations
Structure Evaluation
Studded Tires
Subcellular Distribution
Subfractionation
Substituted PAH
Subsurface Transport
Sulfate Conjugates
Sulfur Amino Acids
Sulfur Dioxide
Summer Concentrations
Summertime Variations
Sunfish
Sunlight Exposed Sample
Supercooled Liquid Phase
Supercritical Fluid
Superoxide Dismutase
Surface Adsorbed PAH
Survival
Suspended Particulates
Suspended Solids
Sweep Co-distillation
Swine Manure
Sydney Harbour,Nova Scotia
Synergism
Synergistic Effects
Synergistic Induction
Synfuel Combustion
Synfuel Plants
Synthesis
Synthetic Fuels
Synthetic Oil
Syrian Golden Hamsters
Syrian Hamster Embryo
Syrian Hamster Kidney
Syrian Hamsters
Systemic Administration
T Cells
Table Water Ordinance
Tailings Pond
Tannic Acid

Tap Water
Tar
Tar Based Carbon Pastes
Tar Oils
Tar Processing Plant
Tar Sand
Temperature
Temperature Dependence
Tenax-GC
Teratogenicity
Terrestrial Aspects
Terrestrial Contamination
Terrestrial Fate
Terrestrial Levels
Terrestrial Occurrence
Test System
Thais lima
Theophylline
Thermal Decomposition
Thermal Desorption
Thermal Power Plants
Thermal System
Thermochemical Stabilities
Thermooxidative Treatment
Thiamin Deprivation
Thin-Layer Chromatography
Three Phase Microcosm
Thymidine Incorporation
Tidal Flat Environment
Tidal Pond
Tillandsia recurvata
Time Resolved Fluorometry
Tin
Tissue Burdens
Tissue Distribution
TLC Scanner
Toad(s)
Tongue Cancer
Total Burn-up
Toxic Response
Toxicity
Toxicokinetics
Trachea
Tracheal Administration
Tracheal Epithelium
Tracheal Explant Lesions
Traffic
Transfection Activity
Transformation
Transforming Genes
Transport
Trapping
Tridacna maxima
Triglyceride Concentration
Triphenylene
Triterpenes
Tritiated Thymidine
tRNA
Troposphere
Trout Embryo
Tularemia Vaccine
Tumor
Tumor Enhancement Factors
Tumor Initiating Activity
Tumorigenesis
Tumorigenicity
Tumors
Tunnel
Turbine Engine Exhaust
Two Stroke Cycle Engine
Ultimate Carcinogen
Ultrastructure
Ultraviolet Detection
Ultraviolet Light
UMU Test
UNIFAC Derived Parameters

Unsaturated Fat
Uptake
Urban Aerosols
Urban Air
Urban Areas
Urban Catchment
Urban Navigable Waterway
Urban Road Tunnel
Urban Runoff
Urine
UV Fluorescence
UV Spectropholometry
V-79 Cells
V-79/HGPRT
Vapor Phase
Vapor Pressure
Vapors
Variable Wavelength UV
Vegetable Oils
Vegetables
Vegetation
Vehicle Emissions
Vehicle Exhaust
Vehicles
Vendace
Venturi Wet Scrubber
Vertical Transport

Viability
Vitamin A
Vitamin A Deficiency
Vitamin A Distribution
Vitamin C
Vitamin D3
Vitamin E
Vitamin K1
Volatile Constituents
Volatility
Volatilization
Voltammetry
Waste Incineration
Waste Incineration Plants
Waste Oil
Waste Oil Heaters
Wastes
Wastewater
Wastewater Irrigation
Wastewater Renovation
Wastewater Treatment
Water
Water Distribution System
Water Reclamation
Water Scrubbers
Water Supply
Water Supply Systems
Watersheds
Welding Emissions
Wet Air Oxidation
White Rot Fungus
Winter Concentrations
Wintertime Aerosol
Wintertime Pollution
Wisconsin
Wood
Wood Burning
Wood Burning Appliance
Wood Burning Community
Wood Chip Furnace
Wood Combustion
Wood Oil
Wood Preservatives
Wood Preserving Chemicals
Wood Pyrolysis
Wood Smoke
Woodstove(s)
Work Atmosphere
Work Environment
Worker Exposure
Workers
Working Areas
Working Environment
Workplace
X-ray Analysis
Yakitori Grilled Chicken
Yam
Yeast
Zeolites
Zinc Acetate
Zinc Reduction

TD
196
.A75
B58
1987
vol. 2

Bibliography on polynuclear aromatic hydrocarbons /
147

ACRES
Over Sixty Years of
Engineering Excellence